

Db 1 TTGGCCACTCCTCTCTGCGCGCTCGCTCACTGAGCGCGGCGAACCAAGGTGCC 60
QY CGAGCGCCGGGCTTTGGCCGGGCGGCGCTCACTGAGCGAGCGGCGAGAGGAGTG 120
Db 61 CGAGCGCCGGGCTTTGGCCGGGCGGCGCTCACTGAGCGAGCGGCGAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGGGGTTCT 145
Db 121 GCCAATCCATCACTAGGGGTTCT 145

RESULT 2
US-08-702-573-4

; Sequence 4, Application US/08702573
; Patent No. 603385
; GENERAL INFORMATION:
; APPLICANT: LATTA, Martine
; APPLICANT: DENEFFLE, Patrice
; APPLICANT: VIGNE, Emmanuelle
; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3c43
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702.573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..145
; OTHER INFORMATION: /note="Minimal ITR Sequence"
; US-08-702-573-4

Query Match 100.0%; Score 145; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCTCTCTGCGCGCTCGCTCACTGAGCGGCGGCGAACCAAGGTGCC 60
Db 1 TTGGCCACTCCTCTCTGCGCGCTCGCTCACTGAGCGGCGGCGAACCAAGGTGCC 60

QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCGCTCACTGAGCGGCGGCGAGAGGAGTG 120
Db 61 CGAGCGCCGGGCTTTGGCCGGGCGGCGCTCACTGAGCGAGCGGCGAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGGGGTTCT 145
Db 121 GCCAATCCATCACTAGGGGTTCT 145

RESULT 3
US-07-982-193-1

; Sequence 1, Application US/07982193
; Patent No. 6261834
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Arun
; TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Scully, Scott, Murphy & Presser
; STREET: 400 Garden City Plaza
; CITY: Garden City
; STATE: New York
; COUNTRY: USA
; ZIP: 11530
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/982.193
; FILING DATE: 19921125
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: McNulty, William E.
; REGISTRATION NUMBER: 22,606
; REFERENCE/DOCKET NUMBER: 8361
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (516) 742-4366
; TELEFAX: (516) 742-4343
; TELEX: 230 901 SANS UR
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-07-982-193-1

Query Match 100.0%; Score 145; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCTCTCTGCGCGCTCGCTCACTGAGCGGCGGCGAACCAAGGTGCC 60
Db 1 TTGGCCACTCCTCTCTGCGCGCTCGCTCACTGAGCGGCGGCGAACCAAGGTGCC 60
QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCGCTCACTGAGCGAGCGGCGAGAGGAGTG 120
Db 61 CGAGCGCCGGGCTTTGGCCGGGCGGCGCTCACTGAGCGAGCGGCGAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGGGGTTCT 145
Db 121 GCCAATCCATCACTAGGGGTTCT 145

RESULT 4
US-09-782-378A-6

; Sequence 6, Application US/09782378A
; Patent No. 6916635
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick

APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
TITLE OF INVENTION: Gatenko, Dmitri
FILE REFERENCE: STONY-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO: 6
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens
US-09-782-378A-6

Query Match 100.0%; Score 145; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCTGCTGCTCACTAGAGCGCGGCGCAAGGTGCGC 60
DB 1 TTGGCCACTCCCTCTGCGGCTGCTGCTCACTAGAGCGCGGCGCAAGGTGCGC 60
QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGCGGAGAGGAGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGCGGAGAGGAGTG 120
QY 121 GCCAATCTCATCTAGAGGTTCTT 145
DB 121 GCCAATCTCATCTAGAGGTTCTT 145

RESULT 5
US-07-989-841A-1
Sequence 1, Application US/07989841A
Patent No. 5478745
GENERAL INFORMATION:
APPLICANT: Samulski, R. J.
APPLICANT: Xiao, X.
TITLE OF INVENTION: Recombinant Viral Vector System
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/989,841A
FILING DATE: On even date herewith
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6636-013
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 165 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)
US-07-989-841A-1

Query Match 100.0%; Score 145; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCTGCTGCTCACTAGAGCGCGGCGCAAGGTGCGC 60
DB 21 TTGGCCACTCCCTCTGCGGCTGCTGCTCACTAGAGCGCGGCGCAAGGTGCGC 80
QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGCGGAGAGGAGTG 120
DB 81 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGCGGAGAGGAGTG 140
QY 121 GCCAATCTCATCTAGAGGTTCTT 145
DB 141 GCCAATCTCATCTAGAGGTTCTT 165

RESULT 6
US-08-440-738A-1
Sequence 1, Application US/08440738A
Patent No. 5869305
GENERAL INFORMATION:
APPLICANT: Samulski, R. J.
APPLICANT: Xiao, X.
TITLE OF INVENTION: Recombinant Viral Vector System
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,738A
FILING DATE: May 15, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6636-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 165 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1
Query Match 100.0%; Score 145; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCTGCTGCTCACTAGAGCGCGGCGCAAGGTGCGC 60
DB 21 TTGGCCACTCCCTCTGCGGCTGCTGCTCACTAGAGCGCGGCGCAAGGTGCGC 80
QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGCGGAGAGGAGTG 120
DB 81 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGCGGAGAGGAGTG 140

OY 121 GCCAATCCATCACTAGGGTTCT 145
|||
DB 141 GCCAATCCATCACTAGGGTTCT 165

RESULT 7
US-08-471-914-1
Sequence 1, Application US/08471914A
Patent No. 6057152
GENERAL INFORMATION:
APPLICANT: Samulski, R.
APPLICANT: Xiao, X.
TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
FILE REFERENCE: 6636-027
CURRENT APPLICATION NUMBER: US/08/471,914A
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/440,738
EARLIER FILING DATE: 1995-05-15
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 165
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: double-D
US-08-471-914-1

-Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCCTCTGCGGCTCGCTCGCTCACTAGAGCCGGGCGACCAAGTCCGC 60
|||
DB 21 TTGGCCACTCCCTCTGCGGCTCGCTCGCTCACTAGAGCGGGCGACCAAGTCCGC 80
|||
OY 61 CGAGCCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGAGCGGAGAGGAGTG 120
|||
DB 81 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGAGCGGAGAGGAGTG 140
|||
OY 121 GCCAATCCATCACTAGGGTTCT 145
|||
DB 141 GCCAATCCATCACTAGGGTTCT 165

RESULT 8
US-09-276-625-7
Sequence 7, Application US/09276625
Patent No. 6436392
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
APPLICANT: Duan, Dongsheng
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875.007US1
CURRENT APPLICATION NUMBER: US/09/276,625
CURRENT FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745
US-09-276-625-7

Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCCTCTGCGGCTCGCTCGCTCACTAGAGCGGGCGACCAAGTCCGC 60
|||
DB 21 TTGGCCACTCCCTCTGCGGCTCGCTCGCTCACTAGAGCGGGCGACCAAGTCCGC 80
|||
OY 61 CGAGCCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGGCGAGAGGAGTG 120
|||
DB 81 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGGCGAGAGGAGTG 140
|||
OY 121 GCCAATCCATCACTAGGGTTCT 145
|||
DB 141 GCCAATCCATCACTAGGGTTCT 165

RESULT 9
US-10-054-665A-7
Sequence 7, Application US/10054665A
Patent No. 6897045
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
APPLICANT: Duan, Dongsheng
TITLE OF INVENTION: University of Iowa Research Foundation
FILE REFERENCE: 875.007US2
CURRENT APPLICATION NUMBER: US/10/054,665A
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 09/276,625
PRIOR FILING DATE: 1999-03-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6897045 5,478,745
US-10-054-665A-7

-Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCCTCTGCGGCTCGCTCGCTCACTAGAGCGGGCGACCAAGTCCGC 60
|||
DB 21 TTGGCCACTCCCTCTGCGGCTCGCTCGCTCACTAGAGCGGGCGACCAAGTCCGC 80
|||
OY 61 CGAGCCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGGCGAGAGGAGTG 120
|||
DB 81 CGAGCGCCGGGCTTTGGCCGGGCGGCTCACTAGAGCGAGCGGCGAGAGGAGTG 140
|||
OY 121 GCCAATCCATCACTAGGGTTCT 145
|||
DB 141 GCCAATCCATCACTAGGGTTCT 165

RESULT 10
US-09-782-378A-8
Sequence 8, Application US/09782378A
Patent No. 6916635
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Nadie
APPLICANT: Sandaion, Ziy
APPLICANT: Gatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27

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SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 165
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-782-378A-8
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Query Match          100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 3.5e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
DB 21 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 80
OY 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
DB 81 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 140
OY 121 GCCAATCCATCATAGAGGGTTCT 145
DB 141 GCCAATCCATCATAGAGGGTTCT 165
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RESULT 11

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US-09-782-378A-1
Sequence 1, Application US/09782378A
Patent No. 6916635
```

GENERAL INFORMATION:

```
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Wadie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONIB-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 4675
TYPE: DNA
ORGANISM: Human adeno-associated virus 2
US-09-782-378A-1
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Query Match          100.0%; Score 145; DB 3; Length 4675;
Best Local Similarity 100.0%; Pred. No. 4.6e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
OY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
OY 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
OY 121 GCCAATCCATCATAGAGGGTTCT 145
DB 121 GCCAATCCATCATAGAGGGTTCT 145
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RESULT 12

```
US-09-782-378A-2
Sequence 2, Application US/09782378A
Patent No. 6916635
```

GENERAL INFORMATION:

```
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Wadie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
```

```
FILE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONIB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 4675
; TYPE: DNA
; ORGANISM: Human adeno-associated virus 2
US-09-782-378A-2
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Query Match          100.0%; Score 145; DB 3; Length 4675;
Best Local Similarity 100.0%; Pred. No. 4.6e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
OY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
OY 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
OY 121 GCCAATCCATCATAGAGGGTTCT 145
DB 121 GCCAATCCATCATAGAGGGTTCT 145
```

RESULT 13

```
US-10-038-972A-12
Sequence 12, Application US/10038972A
Patent No. 6962815
```

GENERAL INFORMATION:

```
APPLICANT: J. Bartlett
TITLE OF INVENTION: AA VECTORS AND METHODS
FILE REFERENCE: 28335/36996US
CURRENT APPLICATION NUMBER: US/10/038,972A
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: US 60/260,124
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn version 3.1
SEQ ID NO 12
LENGTH: 4679
TYPE: DNA
ORGANISM: adeno-associated virus 2
US-10-038-972A-12
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Query Match          100.0%; Score 145; DB 3; Length 4679;
Best Local Similarity 100.0%; Pred. No. 4.6e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
OY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGCAACAAAGTCCGC 60
OY 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGGGCTCACTAGAGCGGCGGCGAGAGGAGGTG 120
OY 121 GCCAATCCATCATAGAGGGTTCT 145
DB 121 GCCAATCCATCATAGAGGGTTCT 145
```

RESULT 14

```
US-08-254-358-1
Sequence 1, Application US/08254358
Patent No. 5658785
```

GENERAL INFORMATION:

APPLICANT: Johnson, Philip R.
TITLE OF INVENTION: Adeno-Associated Virus Materials and
METHODS
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/254,358
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: No. 568785and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31975
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4680 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
us-08-254-358-1

Query Match 100.0%; Score 145; DB 2; Length 4680;
Best Local Similarity 100.0%; Pred. No. 4.6e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTGCTCACTGAGCGCGGCGACCAAGGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTGCTCACTGAGCGCGGCGACCAAGGTCCGC 60
QY 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTCTGAGCGAGCGGCGGCGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTCTGAGCGAGCGGCGGCGAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGGGGTTCT 145
DB 121 GCCAATCCATCACTAGGGGTTCT 145

RESULT 15
US-08-475-391-1
Sequence 1, Application US/08475391
Patent No. 5786211
GENERAL INFORMATION:
APPLICANT: Johnson, Philip R.
TITLE OF INVENTION: Adeno-Associated Virus Materials and
METHODS
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 S. Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60606
COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC compatible
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,391
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/254,358
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: No. 5786211and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31975
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4680 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
us-08-475-391-1

Query Match 100.0%; Score 145; DB 2; Length 4680;
Best Local Similarity 100.0%; Pred. No. 4.6e-30;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTGCTCACTGAGCGCGGCGACCAAGGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTGCTCACTGAGCGCGGCGACCAAGGTCCGC 60
QY 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTCTGAGCGAGCGGCGGCGAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTCTGAGCGAGCGGCGGCGAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGGGGTTCT 145
DB 121 GCCAATCCATCACTAGGGGTTCT 145

Search completed: March 15, 2006, 01:27:28
Job time : 96 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2006, 11:04:21 / Search time 458 Seconds
(without alignments)
2618.035 Million cell updates/sec

Title: US-10-620-039-1

Perfect score: 145
Sequence: 1 TTGGCCACTCCTCTCTGCG.....CTCCATCACTAGGGTTCTT 145

Scoring cable: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgn2_6/prodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/prodata/1/pubpna/US08_PUBCOMB.seq:*
3: /cgn2_6/prodata/1/pubpna/US09A_PUBCOMB.seq:*
4: /cgn2_6/prodata/1/pubpna/US09B_PUBCOMB.seq:*
5: /cgn2_6/prodata/1/pubpna/US10A_PUBCOMB.seq:*
6: /cgn2_6/prodata/1/pubpna/US10B_PUBCOMB.seq:*
7: /cgn2_6/prodata/1/pubpna/US10C_PUBCOMB.seq:*
8: /cgn2_6/prodata/1/pubpna/US10D_PUBCOMB.seq:*
9: /cgn2_6/prodata/1/pubpna/US10E_PUBCOMB.seq:*
10: /cgn2_6/prodata/1/pubpna/US11_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	145	100.0	145	3	US-09-782-378A-6
2	145	100.0	145	8	US-10-837-029-1
3	145	100.0	145	8	US-10-837-029-1
4	145	100.0	145	5	US-10-501-756-12
5	145	100.0	145	5	US-10-135-984-8
6	145	100.0	145	5	US-09-782-378A-8
7	145	100.0	145	5	US-10-054-665-7
8	145	100.0	145	6	US-10-159-968-13
9	145	100.0	145	7	US-10-669-641-3
10	145	100.0	145	7	US-10-276-356-1
11	145	100.0	145	6	US-10-023-208-58
12	145	100.0	145	6	US-09-845-416-26
13	145	100.0	145	3	US-09-845-416-26
14	145	100.0	145	3	US-09-845-416-33
15	145	100.0	145	3	US-09-845-416-33
16	145	100.0	145	3	US-09-845-416-32
17	145	100.0	145	3	US-09-845-416-32
18	145	100.0	145	3	US-09-845-416-31
19	145	100.0	145	3	US-09-845-416-31
20	145	100.0	145	3	US-09-845-416-30
21	145	100.0	145	3	US-09-845-416-30
22	145	100.0	145	3	US-09-782-378A-1
23	145	100.0	145	3	US-09-782-378A-2

24	145	100.0	4675	5	US-10-240-198-1	Sequence 1, Appl1
25	145	100.0	4675	6	US-10-291-583-7	Sequence 7, Appl1
26	145	100.0	4675	7	US-10-427-128-2	Sequence 2, Appl1
27	145	100.0	4679	3	US-09-804-898-1	Sequence 1, Appl1
28	145	100.0	4679	3	US-09-945-681-10	Sequence 10, Appl1
29	145	100.0	4679	3	US-10-038-972A-12	Sequence 12, Appl1
30	145	100.0	4679	6	US-10-077-294-1	Sequence 6, Appl1
31	145	100.0	4680	5	US-10-163-886-1	Sequence 1, Appl1
32	145	100.0	4680	5	US-10-163-886-1	Sequence 1, Appl1
33	145	100.0	4680	6	US-10-263-127-1	Sequence 1, Appl1
34	145	100.0	4680	6	US-10-375-777-1	Sequence 1, Appl1
35	145	100.0	4680	10	US-11-063-903-1	Sequence 1, Appl1
36	145	100.0	4681	7	US-10-696-261-18	Sequence 18, Appl1
37	145	100.0	4681	7	US-10-696-282-18	Sequence 18, Appl1
38	145	100.0	4681	7	US-10-696-900-18	Sequence 18, Appl1
39	145	100.0	4683	7	US-10-696-261-19	Sequence 19, Appl1
40	145	100.0	4683	7	US-10-696-282-19	Sequence 19, Appl1
41	145	100.0	4683	7	US-10-696-900-19	Sequence 19, Appl1
42	145	100.0	4683	7	US-10-427-129-6	Sequence 6, Appl1
43	145	100.0	4683	9	US-10-959-017-2	Sequence 2, Appl1
44	145	100.0	4825	3	US-09-845-416-29	Sequence 29, Appl1
45	145	100.0	4825	3	US-09-845-416-29	Sequence 29, Appl1

ALIGNMENTS

RESULT 1
US-09-782-378A-6
Sequence 6, Application US/09782378A

Patent No. US20020102731A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens
US-09-782-378A-6

Query Match 100.0%; Score 145; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 7.4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGACCAAGTCCGCC 60
DB 1 TTGGCCACTCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGACCAAGTCCGCC 60
QY 61 CGACGCCCGCGCTTGGCGCGCGCGCTGAGAGCGAGCGCGGAGAGAGTGTG 120
DB 61 CGACGCCCGCGCTTGGCGCGCGCGCTGAGAGCGAGCGCGGAGAGAGTGTG 120
QY 121 GCCAATCATCACTAGAGGTTCTT 145
DB 121 GCCAATCATCACTAGAGGTTCTT 145

RESULT 2
US-10-837-029-1
Sequence 1, Application US/10837029
Publication No. US20040248301A1
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.

;; TITLE OF INVENTION: ADEMO ASSOCIATED VIRUS VECTORS WITH
;; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
;; FILE REFERENCE: 875.105US1
;; CURRENT APPLICATION NUMBER: US/10/837,029
;; PRIOR FILING DATE: 2004-04-30
;; PRIOR APPLICATION NUMBER: US 10/194,421
;; PRIOR FILING DATE: 2002-07-12
;; PRIOR APPLICATION NUMBER: US 60/305,204
;; PRIOR FILING DATE: 2001-07-13
;; NUMBER OF SEQ ID NOS: 11
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 1
;; LENGTH: 145
;; TYPE: DNA
;; ORGANISM: Adeno-associated virus
US-10-837-029-1

Query Match 100.0%; Score 145; DB 8; Length 145;
Best Local Similarity 100.0%; Pred. No. 7,4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGACCAAGTCCGC 60
DB 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCCGGCGACCAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120
DB 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120
QY 121 GCCAACTCCATCATCTAGGGGTTCT 145
DB 121 GCCAACTCCATCATCTAGGGGTTCT 145

RESULT 3
US-10-837-029-11

;; Sequence 11, Application US/10837029
;; Publication No. US20040248301A1
;; GENERAL INFORMATION:
;; APPLICANT: Engelhardt, John F.
;; TITLE OF INVENTION: ADEMO ASSOCIATED VIRUS VECTORS WITH
;; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
;; FILE REFERENCE: 875.105US1
;; CURRENT APPLICATION NUMBER: US/10/837,029
;; CURRENT FILING DATE: 2004-04-30
;; PRIOR APPLICATION NUMBER: US 10/194,421
;; PRIOR FILING DATE: 2002-07-12
;; PRIOR APPLICATION NUMBER: US 60/305,204
;; PRIOR FILING DATE: 2001-07-13
;; NUMBER OF SEQ ID NOS: 11
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 11
;; LENGTH: 145
;; TYPE: DNA
;; ORGANISM: Adeno-associated virus
US-10-837-029-11

Query Match 100.0%; Score 145; DB 8; Length 145;
Best Local Similarity 100.0%; Pred. No. 7,4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGACCAAGTCCGC 60
DB 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGACCAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120
DB 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120
QY 121 GCCAACTCCATCATCTAGGGGTTCT 145
DB 121 GCCAACTCCATCATCTAGGGGTTCT 145

RESULT 4
US-10-501-756-12

;; Sequence 12, Application US/10501756
;; Publication No. US20050112765A1
;; GENERAL INFORMATION:
;; APPLICANT: Duke University
;; APPLICANT: Chuan-Yuan, Li
;; APPLICANT: Xiuwu, Zhang
;; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADEMO-ASSOCIATED VIRAL VECTORS BY A
;; TITLE OF INVENTION: COMPLETE ADEMOVIRUS-MEDIATED APPROACH
;; FILE REFERENCE: 180/137
;; CURRENT APPLICATION NUMBER: US/10/501,756
;; CURRENT FILING DATE: 2004-07-16
;; PRIOR APPLICATION NUMBER: US 60/349,532
;; PRIOR FILING DATE: 2002-01-18
;; NUMBER OF SEQ ID NOS: 22
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 12
;; LENGTH: 145
;; TYPE: DNA
;; ORGANISM: adeno-associated virus 2
US-10-501-756-12

Query Match 100.0%; Score 145; DB 9; Length 145;
Best Local Similarity 100.0%; Pred. No. 7,4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGACCAAGTCCGC 60
DB 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGACCAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120
DB 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120
QY 121 GCCAACTCCATCATCTAGGGGTTCT 145
DB 121 GCCAACTCCATCATCTAGGGGTTCT 145

RESULT 5
US-10-135-984-8

;; Sequence 8, Application US/10135984
;; Publication No. US20020182595A1
;; GENERAL INFORMATION:
;; APPLICANT: Matthew D. Weltzman
;; APPLICANT: Anton J. Catomen
;; TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR
;; TITLE OF INVENTION: REGULATORS OF ADEMO-ASSOCIATED VIRUS (AAV)
;; FILE REFERENCE: SALKINS.041A
;; CURRENT APPLICATION NUMBER: US/10/135,984
;; CURRENT FILING DATE: 2002-08-05
;; PRIOR APPLICATION NUMBER: 60/286951
;; PRIOR FILING DATE: 2001-04-27
;; NUMBER OF SEQ ID NOS: 8
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 8
;; LENGTH: 146
;; TYPE: DNA
;; ORGANISM: adeno-associated virus
US-10-135-984-8

Query Match 100.0%; Score 145; DB 5; Length 146;
Best Local Similarity 100.0%; Pred. No. 7,4e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGACCAAGTCCGC 60
DB 1 TTGGGCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGACCAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGCGCGGCGGCTCAGTAGAGCGAGCGCGCAGAGAGGAGTG 120

Db 61 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 120
QY 121 GCCAATCCATCATCTAGGGGTTCT 145
Db 121 GCCAATCCATCATCTAGGGGTTCT 145

RESULT 6

US-09-782-378A-8
Sequence 8, Application US/09782378A
Patent No. US20020102731A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Wadie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONY-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
CURRENT FILING DATE: 2001-02-12
PRIOR FILING DATE: 60/237,747
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patent in version 3.0
SEQ ID NO 8
LENGTH: 165
TYPE: DNA
ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match 100.0%; Score 145; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 7,2e-35;

Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGTCCGC 60
Db 21 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGTCCGC 80
QY 61 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 120
Db 81 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 140
QY 121 GCCAATCCATCATCTAGGGGTTCT 145
Db 141 GCCAATCCATCATCTAGGGGTTCT 165

RESULT 7

US-10-054-665-7
Sequence 7, Application US/10054665
Publication No. US20020197237A1
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
APPLICANT: Duan, Dongsheng
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875.007US2
CURRENT APPLICATION NUMBER: US/10/054,665
CURRENT FILING DATE: 2002-06-13
PRIOR APPLICATION NUMBER: US 09/276,625
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match 100.0%; Score 145; DB 5; Length 165;

Best Local Similarity 100.0%; Pred. No. 7,2e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGTCCGC 60
Db 21 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGTCCGC 80
QY 61 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 120
Db 81 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 140
QY 121 GCCAATCCATCATCTAGGGGTTCT 145
Db 141 GCCAATCCATCATCTAGGGGTTCT 165

RESULT 8

US-10-159-968-13/C
Sequence 13, Application US/10159968
Publication No. US20030152914A1
GENERAL INFORMATION:
APPLICANT: Kaplitt, Michael G.
APPLICANT: Muesel, Serge
TITLE OF INVENTION: Method for Generating Replication
FILE REFERENCE: 600-1-286
CURRENT APPLICATION NUMBER: US/10/159,968
CURRENT FILING DATE: 2002-05-31
PRIOR APPLICATION NUMBER: US 60/294,797
PRIOR FILING DATE: 2001-05-31
PRIOR APPLICATION NUMBER: US 60/313,007
PRIOR FILING DATE: 2001-08-07
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13
LENGTH: 165
TYPE: DNA
ORGANISM: Adeno-associated virus
US-10-159-968-13

Query Match 100.0%; Score 145; DB 6; Length 165;
Best Local Similarity 100.0%; Pred. No. 7,2e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGTCCGC 60
Db 145 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGTCCGC 86
QY 61 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 120
Db 85 CGACGCCGGGCTTTGCCGGGCGCTTCAGTGAGCGAGCGCGGAGAGGGAGTG 26
QY 121 GCCAATCCATCATCTAGGGGTTCT 145
Db 25 GCCAATCCATCATCTAGGGGTTCT 1

RESULT 9

US-10-669-641-3
Sequence 3, Application US/10669641
Publication No. US20040137626A1
GENERAL INFORMATION:
APPLICANT: WAGNER, THOMAS E.
APPLICANT: YU, XIANGHANG
TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
FILE REFERENCE: 035879-0165
CURRENT APPLICATION NUMBER: US/10/669,641
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/413,450
PRIOR FILING DATE: 2002-09-26
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patent in Ver. 3.2
SEQ ID NO 3

LENGTH: 170
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

Query Match 100.0%; Score 145; DB 7; Length 170;
Best Local Similarity 100.0%; Pred. No. 7, 2e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 60
QY 61 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGAGGTTCT 145
DB 121 GCCAATCCATCACTAGAGGTTCT 145

RESULT 10

US-10-276-356-1/c
Sequence 1, Application US/10276356
Publication No. US20040029106A1
GENERAL INFORMATION:
APPLICANT: University of No. US20040029106A1th Carolina at Chapel Hill
APPLICANT: Samulek, R. Jude
APPLICANT: McCarey, Douglas M.
TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS
FILE REFERENCE: 5470-282
CURRENT APPLICATION NUMBER: US/10/276,356
CURRENT FILING DATE: 2001-05-31
PRIOR APPLICATION NUMBER: PCT/US01/17587
PRIOR FILING DATE: 2001-05-31
NUMBER OF SEQ ID NOS: 1
SOFTWARE: Patentin version 3.1
SEQ ID NO 1
LENGTH: 175
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201
US-10-276-356-1

Query Match 100.0%; Score 145; DB 7; Length 175;
Best Local Similarity 100.0%; Pred. No. 7, 2e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 60
DB 150 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 91
QY 61 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 120
DB 90 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 31
QY 121 GCCAATCCATCACTAGAGGTTCT 145
DB 30 GCCAATCCATCACTAGAGGTTCT 6

RESULT 11

US-10-023-58
Sequence 58, Application US/10023208
Publication No. US20030124537A1
GENERAL INFORMATION:
APPLICANT: Li, Min
APPLICANT: Liu, Yuan-Ching

TITLE OF INVENTION: PROKARYOTIC LIBRARIES AND USES
FILE REFERENCE: A-70174-1/RFI/RMS/RMK
CURRENT APPLICATION NUMBER: US/10/023,208
CURRENT FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: US 60/256,163
PRIOR FILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 63
SOFTWARE: Patentin version 3.1
SEQ ID NO 58
LENGTH: 207
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: synthetic enzyme attachment site sequence
US-10-023-208-58

Query Match 100.0%; Score 145; DB 6; Length 207;
Best Local Similarity 100.0%; Pred. No. 7e-35; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 60
DB 42 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 101
QY 61 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 120
DB 102 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 161
QY 121 GCCAATCCATCACTAGAGGTTCT 145
DB 162 GCCAATCCATCACTAGAGGTTCT 186

RESULT 12

US-09-845-416-26
Sequence 26, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
TITLE OF INVENTION: THEREOF
FILE REFERENCE: DEL142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 26
LENGTH: 955
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-26

Query Match 100.0%; Score 145; DB 3; Length 955;
Best Local Similarity 100.0%; Pred. No. 5, 6e-35; Indels 0; Gaps 0;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGAACAAGTCCG 60
QY 61 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCGCGGCGGCTCACTAGAGCGAAGCGCGGCGAAGAGGAGTG 120
QY 121 GCCAATCCATCACTAGAGGTTCT 145
DB 121 GCCAATCCATCACTAGAGGTTCT 145

RESULT 13

US-09-845-416-26/c

Sequence 26, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 26
LENGTH: 955
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-26

Query Match 100.0%; Score 145; DB 3; Length 955;
Best Local Similarity 100.0%; Pred. No. 5.6e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGCGGACCAAGGTGCGC 60
DB 955 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGCGGACCAAGGTGCGC 896
QY 61 CGACGCCCGGGCTTTGCGCGCGGCTCACTGAGGCGGCGGCGGAGGAGTG 120
DB 895 CGACGCCCGGGCTTTGCGCGCGGCTCACTGAGGCGGCGGCGGAGGAGTG 836
QY 121 GCCAATCCATCACTAGGGGTTCT 145
DB 835 GCCAATCCATCACTAGGGGTTCT 811

RESULT 14

US-09-845-416-33
Sequence 33, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 33
LENGTH: 987
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-33

Query Match 100.0%; Score 145; DB 3; Length 987;
Best Local Similarity 100.0%; Pred. No. 5.6e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGCGGACCAAGGTGCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGCGGACCAAGGTGCGC 60
QY 61 CGACGCCCGGGCTTTGCGCGCGGCTCACTGAGGCGGCGGCGGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGCGCGCGGCTCACTGAGGCGGCGGCGGAGGAGTG 120
QY 121 GCCAATCCATCACTAGGGGTTCT 145
DB 121 GCCAATCCATCACTAGGGGTTCT 145

RESULT 15

US-09-845-416-33/c
Sequence 33, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO: 33
LENGTH: 987
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-33

Query Match 100.0%; Score 145; DB 3; Length 987;
Best Local Similarity 100.0%; Pred. No. 5.6e-35;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGCGGACCAAGGTGCGC 60
DB 987 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGGCGGCGGACCAAGGTGCGC 928
QY 61 CGACGCCCGGGCTTTGCGCGCGGCTCACTGAGGCGGCGGCGGAGGAGTG 120
DB 927 CGACGCCCGGGCTTTGCGCGCGGCTCACTGAGGCGGCGGCGGAGGAGTG 868
QY 121 GCCAATCCATCACTAGGGGTTCT 145
DB 867 GCCAATCCATCACTAGGGGTTCT 843

Search completed: March 15, 2006, 11:12:08
Job time : 459 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 15, 2006, 11:12:18 ; Search time 310 Seconds
(without alignments)
1090.637 Million cell updates/sec

Title: US-10-620-039-1

Sequence: 1 TTGGCCACTCCTCTCTGCG.....CTCCATCATTAGGGTTTCT 145

Scoring table: IDENTITY_NUC
Gapext 1.0
Gap 10.0, Gapext 1.0

Searched: 802312 seqs, 1165852854 residues

Total number of hits satisfying chosen parameters: 16046624

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database: Published Applications NA New:

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11: /cgn2_6/prodata/1/pubpna/US11_NEW_PUB.seq4:*
12: /cgn2_6/prodata/1/pubpna/US11_NEW_PUB.seq4:*
13: /cgn2_6/prodata/1/pubpna/US60_NEW_PUB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	145	100.0	145	12	US-11-127-832-6
2	145	100.0	145	12	US-11-058-751-7
3	145	100.0	145	12	US-11-127-832-8
4	145	100.0	145	12	US-11-157-608-9
5	145	100.0	145	12	US-11-157-608-8
6	145	100.0	145	12	US-11-157-608-11
7	145	100.0	145	12	US-11-157-608-11
8	145	100.0	145	12	US-11-157-608-10
9	145	100.0	145	12	US-11-157-608-10
10	145	100.0	145	12	US-11-127-832-2
11	145	100.0	145	12	US-11-127-832-2
12	145	100.0	145	12	US-11-184-380-25
13	145	100.0	145	12	US-11-184-380-25
14	145	100.0	145	12	US-11-145-035-12
15	145	100.0	145	12	US-11-145-035-25
16	143.4	98.9	272	12	US-11-058-751-4
17	138.6	95.6	272	12	US-11-058-751-6
18	124.2	85.7	272	12	US-11-058-751-6
19	119.4	82.3	272	12	US-11-058-751-6
20	117.8	81.2	272	12	US-11-058-751-7
21	117.8	81.2	272	12	US-11-058-751-7
22	117.8	81.2	272	12	US-11-058-751-7
23	117.8	81.2	272	12	US-11-058-751-7
24	117.8	81.2	272	12	US-11-058-751-7
25	117.8	81.2	272	12	US-11-058-751-7
26	117.8	81.2	272	12	US-11-058-751-7
27	117.8	81.2	272	12	US-11-058-751-7
28	117.8	81.2	272	12	US-11-058-751-7
29	117.8	81.2	272	12	US-11-058-751-7
30	117.8	81.2	272	12	US-11-058-751-7
31	117.8	81.2	272	12	US-11-058-751-7
32	117.8	81.2	272	12	US-11-058-751-7
33	117.8	81.2	272	12	US-11-058-751-7
34	117.8	81.2	272	12	US-11-058-751-7
35	117.8	81.2	272	12	US-11-058-751-7
36	117.8	81.2	272	12	US-11-058-751-7
37	117.8	81.2	272	12	US-11-058-751-7
38	117.8	81.2	272	12	US-11-058-751-7
39	117.8	81.2	272	12	US-11-058-751-7
40	117.8	81.2	272	12	US-11-058-751-7
41	117.8	81.2	272	12	US-11-058-751-7
42	117.8	81.2	272	12	US-11-058-751-7
43	117.8	81.2	272	12	US-11-058-751-7
44	117.8	81.2	272	12	US-11-058-751-7
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C	21	117.8	81.2	698	12	US-11-157-608-8	Sequence 8, Appl
C	22	117.8	81.2	4675	12	US-11-127-832-1	Sequence 1, Appl
C	23	117.8	81.2	4675	12	US-11-127-832-2	Sequence 2, Appl
C	24	117.8	81.2	4679	12	US-11-184-380-25	Sequence 25, Appl
C	25	117.8	81.2	4679	12	US-11-184-380-25	Sequence 12, Appl
C	26	114.4	78.1	300	12	US-11-058-751-5	Sequence 5, Appl
C	27	110.6	76.3	4722	12	US-11-145-035-21	Sequence 21, Appl
C	28	110	75.9	4999	8	US-10-632-645-14	Sequence 14, Appl
C	29	110	75.9	4999	8	US-10-632-645-14	Sequence 14, Appl
C	30	110	75.9	11933	8	US-10-632-645-13	Sequence 13, Appl
C	31	110	75.9	11933	8	US-10-632-645-13	Sequence 13, Appl
C	32	109.6	75.6	4722	12	US-11-145-035-21	Sequence 21, Appl
C	33	109	75.2	334	12	US-11-058-751-14	Sequence 14, Appl
C	34	109	75.2	334	12	US-11-058-751-14	Sequence 14, Appl
C	35	109	75.2	505	12	US-11-058-751-3	Sequence 3, Appl
C	36	109	75.2	505	12	US-11-058-751-3	Sequence 3, Appl
C	37	108.8	75.0	4721	12	US-11-145-035-37	Sequence 37, Appl
C	38	107.4	74.1	4718	12	US-11-145-035-19	Sequence 19, Appl
C	39	105	72.4	345	12	US-11-058-751-9	Sequence 9, Appl
C	40	104.2	71.9	4683	12	US-11-145-035-25	Sequence 25, Appl
C	41	100.8	69.5	4721	12	US-11-145-035-37	Sequence 37, Appl
C	42	100.8	69.5	4767	12	US-11-145-035-23	Sequence 23, Appl
C	43	100.8	69.5	4768	8	US-10-719-311-1	Sequence 1, Appl
C	44	99.4	68.6	4718	12	US-11-145-035-19	Sequence 19, Appl
C	45	97.8	67.4	145	12	US-11-127-832-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-11-127-832-6
Sequence 6, Application US/11127832
Publication No. US20060008884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Wade
APPLICANT: Gatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/11/127, 832
CURRENT FILING DATE: 2005-05-12
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: US/09/782, 378
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens

Query Match 100.0%; Score 145; DB 12; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.8e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	TTGGCCACTCCTCTCTGCGGCTCGCTCCTACTGAGCGCGGCGACCAAGAGTGGCC	60
DB	1	TTGGCCACTCCTCTCTGCGGCTCGCTCCTACTGAGCGCGGCGACCAAGAGTGGCC	60
QY	61	CGAGCGCGCGGCTTGGCGCGGCGGCGCTGAGAGCGAGCGGCGACGAGAGGAGTG	120
DB	61	CGAGCGCGCGGCTTGGCGCGGCGGCGCTGAGAGCGAGCGGCGACGAGAGGAGTG	120
QY	121	GCCACTCCTACTGAGGGGTTCTT	145
DB	121	GCCACTCCTACTGAGGGGTTCTT	145

RESULT 2

US-11-058-751-7
Sequence 7, Application US/11058751
Publication No. US20050255087A1
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
APPLICANT: Duan, Dongshen
APPLICANT: University of Iowa Research Foundation
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875,007US2
CURRENT APPLICATION NUMBER: US/11/058,751
CURRENT FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: US/10/054,665
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 09/276,625
PRIOR FILING DATE: 1999-03-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-11-058-751-7

Query Match 100.0%; Score 145; DB 12; Length 165;
Best Local Similarity 100.0%; Pred. No. 1,8e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 80
QY 61 CGAGCGCCCGGGCTTTGCGCGCGCGGCTCACTAGAGCGAGCGCGCGACAGAGAGAGTG 120
DB 81 CGAGCGCCCGGGCTTTGCGCGCGCGGCTCACTAGAGCGAGCGCGCGACAGAGAGAGTG 140
QY 121 GCCAATCCATCACTAGAGGGTTCT 145
DB 141 GCCAATCCATCACTAGAGGGTTCT 165

RESULT 3

US-11-127-832-8
Sequence 8, Application US/1127832
Publication No. US2005008884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Giatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 8
LENGTH: 165
TYPE: DNA
ORGANISM: Homo sapiens
US-11-127-832-8

Query Match 100.0%; Score 145; DB 12; Length 165;
Best Local Similarity 100.0%; Pred. No. 1,8e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 80
QY 61 CGAGCGCCCGGGCTTTGCGCGCGCGGCTCACTAGAGCGAGCGCGCGACAGAGAGAGTG 120
DB 81 CGAGCGCCCGGGCTTTGCGCGCGCGGCTCACTAGAGCGAGCGCGCGACAGAGAGAGTG 140
QY 121 GCCAATCCATCACTAGAGGGTTCT 145
DB 141 GCCAATCCATCACTAGAGGGTTCT 165

RESULT 4
US-11-157-608-9
Sequence 9, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134,02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 464
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AA vector
US-11-157-608-9

Query Match 100.0%; Score 145; DB 12; Length 464;
Best Local Similarity 100.0%; Pred. No. 1,7e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
QY 61 CGAGCGCCCGGGCTTTGCGCGCGCGGCTCACTAGAGCGAGCGCGCGACAGAGAGAGTG 120
DB 61 CGAGCGCCCGGGCTTTGCGCGCGCGGCTCACTAGAGCGAGCGCGCGACAGAGAGAGTG 120
QY 121 GCCAATCCATCACTAGAGGGTTCT 145
DB 121 GCCAATCCATCACTAGAGGGTTCT 145

RESULT 5

US-11-157-608-8
Sequence 8, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134,02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 698
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AA vector
US-11-157-608-8

Query Match 100.0%; Score 145; DB 12; Length 165;
Best Local Similarity 100.0%; Pred. No. 1,8e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match 100.0%; Score 145; DB 12; Length 698;
Best Local Similarity 100.0%; Pred. No. 1.6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60

QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120

QY 121 GCCAATCTCATCACTAGGGGTTCTT 145
DB 121 GCCAATCTCATCACTAGGGGTTCTT 145

RESULT 6
US-11-157-608-11
Sequence 11, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134.02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 11
LENGTH: 803
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-11

Query Match 100.0%; Score 145; DB 12; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60

QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120

QY 121 GCCAATCTCATCACTAGGGGTTCTT 145
DB 121 GCCAATCTCATCACTAGGGGTTCTT 145

RESULT 7
US-11-157-608-11/c
Sequence 11, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134.02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 11
LENGTH: 803

TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-11

Query Match 100.0%; Score 145; DB 12; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.6e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 803 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 744

QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120
DB 743 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 684

QY 121 GCCAATCTCATCACTAGGGGTTCTT 145
DB 683 GCCAATCTCATCACTAGGGGTTCTT 659

RESULT 8
US-11-157-608-10
Sequence 10, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134.02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10
LENGTH: 1271
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-10

Query Match 100.0%; Score 145; DB 12; Length 1271;
Best Local Similarity 100.0%; Pred. No. 1.5e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTCGCTCGCTCACTAGAGCGCGGCGACCAAGGTGCC 60

QY 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120
DB 61 CGAGCGCCGGGCTTTGGCCGGGCGGCTCAGTGAAGCGAGCGCGGAGAGGAGTGTG 120

QY 121 GCCAATCTCATCACTAGGGGTTCTT 145
DB 121 GCCAATCTCATCACTAGGGGTTCTT 145

RESULT 9
US-11-157-608-10/c
Sequence 10, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134.02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730

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PRIORITY FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10
LENGTH: 1271
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-10

Query Match
Best Local Similarity 100.0%; Score 145; DB 12; Length 1271;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCATCTCCTCTGTGCGGCGTTCGTCACTGAAGGCCGGCGACCAAGGTGCGC 60
DB 1271 TTGGCCATCTCCTCTGTGCGGCGTTCGTCACTGAAGGCCGGCGACCAAGGTGCGC 1212

QY 61 CGAGCCCCGGGCTTTGGCCCCGGGCGGCTTCAGTAGCGAGCGCGGCAGAGAGGAGTG 120
DB 1211 CGAGCCCCGGGCTTTGGCCCCGGGCGGCTTCAGTAGCGAGCGCGGCAGAGAGGAGTG 1152

QY 121 GCCAACTCCATCATCATTAGGGGTTCTT 145
DB 1151 GCCAACTCCATCATCATTAGGGGTTCTT 1127

RESULT 10
US-11-127-832-1
Sequence 1, Application US/11127832
Publication No. US2006008884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Nadie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONY-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 4675
TYPE: DNA
ORGANISM: Human adeno-associated virus 2
US-11-127-832-1

Query Match
Best Local Similarity 100.0%; Score 145; DB 12; Length 4675;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCATCTCCTCTGTGCGGCGTTCGTCACTGAAGGCCGGCGACCAAGGTGCGC 60
DB 1 TTGGCCATCTCCTCTGTGCGGCGTTCGTCACTGAAGGCCGGCGACCAAGGTGCGC 60

QY 61 CGAGCCCCGGGCTTTGGCCCCGGGCGGCTTCAGTAGCGAGCGCGGCAGAGAGGAGTG 120
DB 61 CGAGCCCCGGGCTTTGGCCCCGGGCGGCTTCAGTAGCGAGCGCGGCAGAGAGGAGTG 120

QY 121 GCCAACTCCATCATCATTAGGGGTTCTT 145
DB 121 GCCAACTCCATCATCATTAGGGGTTCTT 145

RESULT 11
US-11-127-832-2
Sequence 2, Application US/11127832

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Publication No. US2006000884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Wadie
APPLICANT: Sandalon, Ziv
APPLICANT: Gatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 4675
TYPE: DNA
ORGANISM: Human adeno-associated virus 2
US-11-127-832-2

Query Match      100.0%; Score 145; DB 12; Length 4675;
Best Local Similarity 100.0%; Pct. No. 1,4e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGCGCTCCCTCGCTCACTAGAGCGGGGCGAGCAAAAGTGC 60
DB      1 TTGGCCACTCCCTCTCTGCGCGCTCCCTCGCTCACTAGAGCGGGGCGAGCAAAAGTGC 60

QY      61 CGAGCGCCGGGCTTTGCGCCGGCGGCTCAGTGGAGGAGCGAGCGCGCAGAGGAGTG 120
DB      61 CGAGCGCCGGGCTTTGCGCGGGGCGGCTCAGTGGAGGAGGAGCGAGCGCGCAGAGGAGTG 120

QY      121 GCCAATCTCATCTACTAGGGGTTCTT 145
DB      121 GCCAATCTCATCTACTAGGGGTTCTT 145

RESULT 12
US-11-184-380-25
Sequence 25, Application US/11/184380
Publication No. US20050255089A1
GENERAL INFORMATION:
APPLICANT: Chiorini, John
APPLICANT: Kocin, Robert M.
TITLE OF INVENTION: AAVS NUCLEIC ACIDS
FILE REFERENCE: 14014.0323U3
CURRENT APPLICATION NUMBER: US/11/184,380
CURRENT FILING DATE: 2005-07-19
PRIOR APPLICATION NUMBER: PCT/US99/11958
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/087,029
PRIOR FILING DATE: 1998-05-28
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 25
LENGTH: 4679
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence; Note =
OTHER INFORMATION: synthetic construct
US-11-184-380-25

Query Match      100.0%; Score 145; DB 12; Length 4679;
Best Local Similarity 100.0%; Pct. No. 1,4e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCCGGGCGAGCAAAAGTGC 60
DB      1 TTGGCCACTCCCTCTCTGCGGCTCGCTCACTAGAGCCGGGCGAGCAAAAGTGC 60

```

QY 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
DB 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
QY 121 GCCAACTCCATCACTAGAGGGTTCT 145
DB 121 GCCAACTCCATCACTAGAGGGTTCT 145

RESULT 13
US-11-145-035-12
Sequence 12, Application US/11145035
Publication No. US20050287122A1
GENERAL INFORMATION:
APPLICANT: Bartlett et al.
TITLE OF INVENTION: AAV VECTORS AND METHODS
FILE REFERENCE: 28335/41335
CURRENT APPLICATION NUMBER: US/11/145,035
CURRENT FILING DATE: 2005-06-03
PRIOR APPLICATION NUMBER: US 10/038,972
PRIOR FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: US 60/260,124
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn version 3.3
SEQ ID NO 12
LENGTH: 4679
TYPE: DNA
ORGANISM: adeno-associated virus 2
US-11-145-035-12

Query Match 100.0%; Score 145; DB 12; Length 4679;
Best Local Similarity 100.0%; Pred. No. 1.4e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TTGGCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGAGCAAAAGTCCGC 60
DB 1 TTGGCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGAGCAAAAGTCCGC 60
QY 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
DB 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
QY 121 GCCAACTCCATCACTAGAGGGTTCT 145
DB 121 GCCAACTCCATCACTAGAGGGTTCT 145

RESULT 14
US-11-145-035-25
Sequence 25, Application US/11145035
Publication No. US20050287122A1
GENERAL INFORMATION:
APPLICANT: Bartlett et al.
TITLE OF INVENTION: AAV VECTORS AND METHODS
FILE REFERENCE: 28335/41335
CURRENT APPLICATION NUMBER: US/11/145,035
CURRENT FILING DATE: 2005-06-03
PRIOR APPLICATION NUMBER: US 10/038,972
PRIOR FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: US 60/260,124
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn version 3.3
SEQ ID NO 25
LENGTH: 4683
TYPE: DNA
ORGANISM: Adeno-associated virus 6
US-11-145-035-25
Query Match 100.0%; Score 145; DB 12; Length 4683;
Best Local Similarity 100.0%; Pred. No. 1.4e-31;
Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGAGCAAAAGTCCGC 60
DB 1 TTGGCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGAGCAAAAGTCCGC 60
QY 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
DB 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
QY 121 GCCAACTCCATCACTAGAGGGTTCT 145
DB 121 GCCAACTCCATCACTAGAGGGTTCT 145

RESULT 15
US-11-058-751-4
Sequence 4, Application US/11058751
Publication No. US20050255087A1
GENERAL INFORMATION:
APPLICANT: Duan, Dongshen
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875.007US2
CURRENT APPLICATION NUMBER: US/11/058,751
CURRENT FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: CURRENT APPLICATION NUMBER: US/10/054,665
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 09/276,625
PRIOR FILING DATE: 1999-03-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 4
LENGTH: 272
TYPE: DNA
ORGANISM: AAV circular intermediate, clone p81
US-11-058-751-4

Query Match 98.9%; Score 143.4; DB 12; Length 272;
Best Local Similarity 99.3%; Pred. No. 4.8e-31;
Matches 144; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 TTGGCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGAGCAAAAGTCCGC 60
DB 69 TTGGCACTCCCTCTCTGCGGCTCGCTCACTGAGCGCGGCGAGCAAAAGTCCGC 128
QY 61 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 120
DB 129 CGACGCCCGGCTTTGCCCCGGGCGGCTCACTGAGCGAGCGCGAGAGGAGTGTG 188
QY 121 GCCAACTCCATCACTAGAGGGTTCT 145
DB 189 GCCAACTCCATCACTAGAGGGTTCT 213

Search completed: March 15, 2006, 11:17:35
Job time : 311 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 12, 2006, 03:08:09 ; Search time 90 Seconds
(without alignments)
2468.836 Million cell updates/sec

Title: US-10-620-039-1_COPY_1_125
Sequence: 1 TTGGCCACTCTCTCTGCG.....CGCAGAGGAGGTGCCAA 125

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1303057 seqs, 888780828 residues
Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
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3: /cgn2_6/ptodata/1/ina/5/COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6A/COMB.seq.*
5: /cgn2_6/ptodata/1/ina/H/COMB.seq.*
6: /cgn2_6/ptodata/1/ina/PC/US/COMB.seq.*
7: /cgn2_6/ptodata/1/ina/PP/COMB.seq.*
8: /cgn2_6/ptodata/1/ina/RE/COMB.seq.*
9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	125	100.0	145	2	US-07-789-917A-1
2	125	100.0	145	3	US-08-702-573-4
3	125	100.0	145	3	US-08-525-866-1
4	125	100.0	145	3	US-07-982-193-1
5	125	100.0	145	3	US-09-782-378A-6
6	125	100.0	165	2	US-07-988-841A-1
7	125	100.0	165	2	US-08-440-738A-1
8	125	100.0	165	3	US-08-471-914-1
9	125	100.0	165	3	US-09-276-625-7
10	125	100.0	165	3	US-10-054-665A-7
11	125	100.0	165	3	US-09-782-378A-8
12	125	100.0	192	3	US-08-702-573-3
13	125	100.0	4675	3	US-09-782-378A-1
14	125	100.0	4675	3	US-09-782-378A-2
15	125	100.0	4675	3	US-10-038-972A-12
16	125	100.0	4680	2	US-08-254-358-1
17	125	100.0	4680	2	US-08-475-351-1
18	125	100.0	4680	2	US-08-709-609-1
19	125	100.0	4680	6	PCT-US95-07178-1
20	125	100.0	4681	3	US-09-807-802A-18
21	125	100.0	4683	3	US-09-807-802A-19
22	125	100.0	5932	3	US-09-299-141-4
23	125	100.0	5932	3	US-09-299-141-4
24	125	100.0	6142	3	US-09-299-141-8

C	25	125	100.0	6142	3	US-09-299-141-8	Sequence 8, Appli
C	26	125	100.0	6233	3	US-08-893-327-15	Sequence 15, Appli
C	27	125	100.0	6253	3	US-08-893-327-15	Sequence 15, Appli
C	28	125	100.0	6280	3	US-08-893-327-17	Sequence 17, Appli
C	29	125	100.0	6280	3	US-08-893-327-17	Sequence 17, Appli
C	30	125	100.0	6280	3	US-08-893-327-19	Sequence 19, Appli
C	31	125	100.0	6280	3	US-08-893-327-19	Sequence 19, Appli
C	32	125	100.0	6565	3	US-09-299-141-1	Sequence 1, Appli
C	33	125	100.0	6565	3	US-09-299-141-1	Sequence 1, Appli
C	34	125	100.0	6714	3	US-09-299-141-6	Sequence 6, Appli
C	35	125	100.0	6714	3	US-09-299-141-6	Sequence 6, Appli
C	36	125	100.0	6924	3	US-09-299-141-9	Sequence 9, Appli
C	37	125	100.0	6924	3	US-09-299-141-9	Sequence 9, Appli
C	38	125	100.0	6924	3	US-09-299-141-10	Sequence 10, Appli
C	39	125	100.0	6924	3	US-09-299-141-10	Sequence 10, Appli
C	40	125	100.0	6924	3	US-09-299-141-11	Sequence 11, Appli
C	41	125	100.0	6924	3	US-09-299-141-11	Sequence 11, Appli
C	42	125	100.0	6961	3	US-09-299-141-7	Sequence 7, Appli
C	43	125	100.0	6961	3	US-09-299-141-7	Sequence 7, Appli
C	44	125	100.0	7054	3	US-09-299-141-3	Sequence 3, Appli
C	45	125	100.0	7054	3	US-09-299-141-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-07-789-917A-1
Sequence 1, Application US/07789917A
Patent No. 5252479
GENERAL INFORMATION:
APPLICANT: Srivastava, Arun
TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release q.0, Version q.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/789,917A
FILING DATE: 19911118
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: McNulty, William E.
REGISTRATION NUMBER: 22,606
REFERENCE/DOCKET NUMBER: 8361
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MODEL TYPE: DNA (genomic)
US-07-789-917A-1
Query Match 100.0%; Score 125; DB 2; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.4e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 TTGGCCACTCTCTCTGCGCGCTCGCTACTGAGCGGCGGACCAAGGTGCC
|||||

DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCACTAGAGCGCGGCGGACCAAGTCCGC 60
QY 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTTCAGTGAGCGAGCGAGCGGCAAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTTCAGTGAGCGAGCGAGCGGCAAGAGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 2

US-08-702-573-4
; Sequence 4, Application US/08702573
; Patent No. 6033885
; GENERAL INFORMATION:
; APPLICANT: LATTA, Martine
; APPLICANT: DENEPIE, Patrice
; APPLICANT: VIGNE, Emmanuelle
; APPLICANT: PERRICAUDET, Michel
; TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIROSES,
; TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rhone-Poulenc Rorer Inc.
; STREET: 500 Arcola Rd. 3043
; CITY: Collegeville
; STATE: PA
; COUNTRY: USA
; ZIP: 19426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,573
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 94/02445
; FILING DATE: 03-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/FR95/00233
; FILING DATE: 28-FEB-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith Ph.D., Julie K.
; REGISTRATION NUMBER: 38,619
; REFERENCE/DOCKET NUMBER: ST94011-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (610)454-3839
; TELEFAX: (610)454-3808
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..145
; OTHER INFORMATION: /note="Minimal ITR Sequence"
US-08-702-573-4

Query Match 100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.4e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCACTAGAGCGCGGCGGACCAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCACTAGAGCGCGGCGGACCAAGTCCGC 60

QY 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTTCAGTGAGCGAGCGAGCGGCAAGAGGAGTG 120
DB 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTTCAGTGAGCGAGCGGCGGCAAGAGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 3

US-08-525-866-1/c
; Sequence 1, Application US/08525866
; Patent No. 6207457
; GENERAL INFORMATION:
; APPLICANT: NATSOLIS, GEORGES
; APPLICANT: FUROSKY, RICHARD T.
; TITLE OF INVENTION: TARGETED NUCLEOTIDE SEQUENCE DELIVERY
; TITLE OF INVENTION: AND INTEGRATION SYSTEM
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: REED & ROBINS
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,866
; FILING DATE: 08-SEP-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: ROBINS, ROBERTA L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 0800-0006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-3400
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 145 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-525-866-1

Query Match 100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 4.4e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCACTAGAGCGCGGCGGACCAAGTCCGC 60
DB 125 TTGGCCACTCCCTCTCTGCGCGCTCGCTCAGTCACTAGAGCGCGGCGGACCAAGTCCGC 66
QY 61 CGACGCCCGGGCTTTGGCCCGGGCGGCTTCAGTGAGCGAGCGAGCGGCAAGAGGAGTG 120
DB 65 CGACGCCCGGGCTTTGGCCCGGGCGGCTTCAGTGAGCGAGCGAGCGGCAAGAGGAGTG 6
QY 121 GCCAA 125
DB 5 GCCAA 1

RESULT 4

US-07-982-193-1
; Sequence 1, Application US/07982193
; Patent No. 6261834
; GENERAL INFORMATION:
; APPLICANT: Srivastava, Arun

TITLE OF INVENTION: SAFE VECTOR FOR GENE THERAPY
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Scully, Scott, Murphy & Presser
STREET: 400 Garden City Plaza
CITY: Garden City
STATE: New York
COUNTRY: USA
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/982,193
FILING DATE: 19921125
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: McNulty, William E.
REGISTRATION NUMBER: 22,606
REFERENCE/DOCKET NUMBER: 8361
TELECOMMUNICATION INFORMATION:
TELEPHONE: (516) 742-4343
TELEFAX: (516) 742-4366
TELEX: 230 901 SANS UR
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 145 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-07-982-193-1

Query Match 100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 4,4e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGGCTGCTGCTCACTGAGCGCGCGGACCAAGTCCGC 60
DB 1 TTGGCACTCCCTCTCTGCGGCTGCTGCTCACTGAGCGCGCGGACCAAGTCCGC 60
QY 61 CGAGCGCGGCGCTTGGCGCGGCGGCTCAGTGAAGCGAGCGGAGAGGAGTG 120
DB 61 CGAGCGCGGCGCTTGGCGCGGCGGCTCAGTGAAGCGAGCGGAGAGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 5
US-09-782-378A-6
Sequence 6, Application US/09782378A
Patent No. 6916635
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONY-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patent version 3.0
SEQ ID NO 6
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens

US-09-782-378A-6

Query Match 100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 4,4e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGGCTGCTGCTCACTGAGCGCGGACCAAGTCCGC 60
DB 1 TTGGCACTCCCTCTCTGCGGCTGCTGCTCACTGAGCGCGGACCAAGTCCGC 60
QY 61 CGAGCGCGGCGCTTGGCGCGGCGGCTCAGTGAAGCGAGCGGAGAGGAGTG 120
DB 61 CGAGCGCGGCGCTTGGCGCGGCGGCTCAGTGAAGCGAGCGGAGAGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 6

US-07-989-841A-1

Sequence 1, Application US/07989841A
Patent No. 5478745
GENERAL INFORMATION:
APPLICANT: Samulski, R. J.
APPLICANT: Xiao, X.
TITLE OF INVENTION: Recombinant Viral Vector System
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/989,841A
FILING DATE: On even date herewith

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Cortuzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6636-013
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:
LENGTH: 165 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-07-989-841A-1

Query Match 100.0%; Score 125; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 4,5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCACTCCCTCTCTGCGGCTGCTGCTCACTGAGCGCGGACCAAGTCCGC 60
DB 21 TTGGCACTCCCTCTCTGCGGCTGCTGCTCACTGAGCGCGGACCAAGTCCGC 80
QY 61 CGAGCGCGGCGCTTGGCGCGGCGGCTCAGTGAAGCGAGCGGAGAGGAGTG 120
DB 81 CGAGCGCGGCGCTTGGCGCGGCGGCTCAGTGAAGCGAGCGGAGAGGAGTG 140

OY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 7

US-08-440-738A-1
Sequence 1, Application US/08440738A
Patent No. 5869305
GENERAL INFORMATION:
APPLICANT: Samulski, R. J.
APPLICANT: Xiao, X.
TITLE OF INVENTION: Recombinant Viral Vector System
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,738A
FILING DATE: May 15, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 6636-022
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 165 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
US-08-440-738A-1

Query Match 100.0%; Score 125; DB 2; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCTCTCTGCGCGCTGCTGCTGAGGCGCGCGCAACCAAGTCCG 60
Db 21 TTGGCCACTCCTCTCTGCGCGCTGCTGCTGAGGCGCGCGCAACCAAGTCCG 80
OY 61 CGAGCGCGCGGCTTTGCGCGCGCGCTCAGTGAAGCGAGCGCGCAGAGGAGTG 120
Db 81 CGAGCGCGCGGCTTTGCGCGCGCGCTCAGTGAAGCGAGCGCGCAGAGGAGTG 140
OY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 8

US-08-471-914-1
Sequence 1, Application US/08471914A
Patent No. 6057152
GENERAL INFORMATION:
APPLICANT: Samulski, R.
APPLICANT: Xiao, X.
TITLE OF INVENTION: RECOMBINANT VIRAL VECTOR SYSTEM
FILE REFERENCE: 6636-027

CURRENT APPLICATION NUMBER: US/08/471,914A
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: 08/440,738
EARLIER FILING DATE: 1995-05-15
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 165
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURES:
OTHER INFORMATION: Description of Artificial Sequence: double-D
US-08-471-914-1

Query Match 100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCTCTCTGCGCGCTGCTGCTGAGGCGCGCGCAACCAAGTCCG 60
Db 21 TTGGCCACTCCTCTCTGCGCGCTGCTGCTGAGGCGCGCGCAACCAAGTCCG 80
OY 61 CGAGCGCGCGGCTTTGCGCGCGCGCTCAGTGAAGCGAGCGCGCAGAGGAGTG 120
Db 81 CGAGCGCGCGGCTTTGCGCGCGCGCTCAGTGAAGCGAGCGCGCAGAGGAGTG 140
OY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 9

US-09-276-625-7
Sequence 7, Application US/09276625
Patent No. 6436392
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875,007US1
CURRENT FILING DATE: 1999-03-25
CURRENT APPLICATION NUMBER: US/09/276,625
PRIOR FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURES:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6436392 5,478,745 .
US-09-276-625-7

Query Match 100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4.5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCTCTCTGCGCGCTGCTGCTGAGGCGCGCGCAACCAAGTCCG 60
Db 21 TTGGCCACTCCTCTCTGCGCGCTGCTGCTGAGGCGCGCGCAACCAAGTCCG 80
OY 61 CGAGCGCGCGGCTTTGCGCGCGCGCTCAGTGAAGCGAGCGCGCAGAGGAGTG 120
Db 81 CGAGCGCGCGGCTTTGCGCGCGCGCTCAGTGAAGCGAGCGCGCAGAGGAGTG 140
OY 121 GCCAA 125
Db 141 GCCAA 145

RESULT 10

US-10-054-665A-7
Sequence 7, Application US/10054665A
Patent No. 6897045
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
APPLICANT: Duan, Dongshen
APPLICANT: University of Iowa Research Foundation
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875,007US2
CURRENT APPLICATION NUMBER: US/10/054,665A
CURRENT FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 09/276,625
PRIOR FILING DATE: 1999-03-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 6897045 5,478,745
US-10-054-665A-7

Query Match 100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4,5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 60
DB 21 TTGGCCACTCCCTCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 80
QY 61 CGAGCGCGCGGCTTTGGCGCGGCGGCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 120
DB 81 CGAGCGCGCGGCTTTGGCGCGGCGGCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 140
QY 121 GCCAA 125
DB 141 GCCAA 145

RESULT 11

US-09-782-378A-8
Sequence 8, Application US/09782378A
Patent No. 6916635
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONY-04970
CURRENT APPLICATION NUMBER: US/09/782,378A
CURRENT FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 8
LENGTH: 165
TYPE: DNA
ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match 100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 4,5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 60
DB 21 TTGGCCACTCCCTCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 80

QY 61 CGAGCGCGCGGCTTTGGCGCGGCGGCGCTCACTGAGCGCGGCGGCGCAACAAAGGTGCGC 120
DB 81 CGAGCGCGCGGCTTTGGCGCGGCGGCGCTCACTGAGCGCGGCGGCGCAACAAAGGTGCGC 140
QY 121 GCCAA 125
DB 141 GCCAA 145

RESULT 12

US-08-702-573-3
Sequence 3, Application US/08702573
Patent No. 6033885
GENERAL INFORMATION:
APPLICANT: LATTA, Martine
APPLICANT: DENEFE, Patrice
APPLICANT: VIGNE, Emmanuelle
APPLICANT: PERICAUDET, Michel
TITLE OF INVENTION: INTEGRATIVE RECOMBINANT ADENOVIRUSES,
TITLE OF INVENTION: PREPARATION THEREOF AND THERAPEUTICAL USES THEREOF
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Rhone-Poulenc Rorer Inc.
STREET: 500 Arcola Rd. 3c43
CITY: Collegeville
STATE: PA
COUNTRY: USA
ZIP: 19426
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,573
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 94/02445
FILING DATE: 03-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/FR95/00233
FILING DATE: 28-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Smith Ph.D., Julie K.
REGISTRATION NUMBER: 38,619
REFERENCE/DOCKET NUMBER: ST94011-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (610)454-3839
TELEFAX: (610)454-3808
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 192 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
FEATURE:
NAME/KEY: misc feature
LOCATION: 1..192
OTHER INFORMATION: /note= "Right ITR sequence in
Patent No. 6033885
OTHER INFORMATION: PXL2384"
US-08-702-573-3

Query Match 100.0%; Score 125; DB 3; Length 192;
Best Local Similarity 100.0%; Pred. No. 4,5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 60
DB 68 TTGGCCACTCCCTCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAACAAAGGTGCGC 127

QY	61	CGACGCCCCGGGCTTTTGC	CCGCGGCGGCGCTCAGT	GACGACGACGCGGACGAGAGT	120
Db	128	CGACCCCCGGGCTTTTGC	CCGCGGCGGCGCTCAGT	GACGACGACGCGGACGAGAGT	187
QY	121	GCCCA	125		
Db	188	GCCCA	192		

RESULT, 13
US-09-782-378A-1

Query Match	100.0%	Score 125; DB 3;	Length 4675;
Best Local Similarity	100.0%	Pred. Ns 5e-24;	
Matches 125; Conservative	0;	Mismatches 0;	Indels 0; Gaps 0

Qy 61 CGACGCCCGGGCTTTGCCCCGGGGCGGCTCAGTGAAGCGACGGCGGACAGAGAGGGATG 120

Db 61 CGACGCCCGGGCTTTGCCCCGGGGCGGCTCAGTGAAGCGACGGCGGACAGAGAGGGATG 120

Oy 121 GCCAA 125
 |||||
Db 121 GCCAA 125

RESULT 14
US-09-782-378A-2
; Sequence 2, Application US/09782378A

Query Match	Score	DB	Length
100.0%	125	3	4675

Best Local Similarity 100.0%; Pred. No. 5e-24;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 61 CGACGCCCCGGGGCTTTTGCCCCGGGGCGGCTCAGTAGACGAGCGGACGGCCAGAGAGGGAGTG 120

Db 61 CGACGCCCCGGGGCTTTTGCCCCGGGGCGGCTCAGTAGACGAGCGGACGGCCAGAGAGGGAGTG 120

QY	121	GCCAA	125
Db	121	GCCAA	125

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US-10-038-972A-12
RESULT 15
US-10-038-972A-12
Sequence 12, Application US/10038972A
Patent No. 9662815
GENERAL INFORMATION:
APPLICANT: J. Bartlett
TITLE OF INVENTION: AAV VECTORS AND METHODS
FILE REFERENCE: 2835/36996US
CURRENT APPLICATION NUMBER: US/10/038,972A
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: US 60/260,124
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 18
SOFTWARE: patentIn version 3.1
SEQ ID NO 12
LENGTH: 4679
TYPE: DNA
ORGANISM: adeno-associated virus 2
US-10-038-972A-12

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Query Match	100.0%;	Score 125;	DB 3;	Length 4679;
Best Local Similarity	100.0%;	Pred. No. 5e-24;		
Matches 125;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;

61 CGACGCCCGGGCTTTGCCCCGGGCGGCTTAGTGAACGAGCGAGCGCCGACAGACAGGAGTGG 120

QY	121	GCCAA	125
Db	121	GCCAA	125

Search completed: March 12, 2006, 03:18:21
Job time : 91 secs

GenCore version 5.1.7
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 12, 2006, 20:14:07 ; Search time 814 Seconds
(without alignments)
1269.868 Million cell updates/sec

Title: US-10-620-039-1_COPY_1_125
Perfect score: 1 TTGGCCACTCCCTCTGCG.....CGCAGAGGAGTGCCCAA 125
Sequence:

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 9793542 seqs, 413468905 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications_NA_Main:
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
3: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
4: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
5: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
6: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
7: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
8: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
9: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	125	100.0	130	3	US-09-928-158B-1
2	125	100.0	144	9	US-10-501-756-13
3	125	100.0	145	3	US-09-782-378A-6
4	125	100.0	145	5	US-10-240-198-2
5	125	100.0	145	8	US-10-837-029-1
6	125	100.0	145	8	US-10-837-029-11
7	125	100.0	145	9	US-10-501-756-12
8	125	100.0	146	5	US-10-135-984-8
9	125	100.0	165	3	US-09-782-378A-8
10	125	100.0	165	5	US-10-054-665-7
11	125	100.0	165	7	US-10-159-968-13
12	125	100.0	170	7	US-10-669-641-3
13	125	100.0	175	7	US-10-276-356-1
14	125	100.0	207	6	US-10-023-208-58
15	125	100.0	955	3	US-09-845-416-26
16	125	100.0	955	3	US-09-845-416-26
17	125	100.0	987	3	US-09-845-416-33
18	125	100.0	987	3	US-09-845-416-33
19	125	100.0	4414	3	US-09-845-416-32
20	125	100.0	4414	3	US-09-845-416-32
21	125	100.0	4476	3	US-09-845-416-31
22	125	100.0	4476	3	US-09-845-416-31
23	125	100.0	4498	3	US-09-845-416-30

24	125	100.0	4498	3	US-09-845-416-30	Sequence 30, Appl
25	125	100.0	4675	3	US-09-782-378A-1	Sequence 1, Appl
26	125	100.0	4675	3	US-09-782-378A-2	Sequence 2, Appl
27	125	100.0	4675	5	US-10-240-198-1	Sequence 1, Appl
28	125	100.0	4675	6	US-10-291-583-7	Sequence 7, Appl
29	125	100.0	4675	7	US-10-427-129-2	Sequence 2, Appl
30	125	100.0	4679	3	US-09-804-898-1	Sequence 1, Appl
31	125	100.0	4679	3	US-09-945-681-10	Sequence 10, Appl
32	125	100.0	4679	5	US-10-038-972A-12	Sequence 12, Appl
33	125	100.0	4679	6	US-10-136-819-6	Sequence 6, Appl
34	125	100.0	4680	5	US-10-077-294-1	Sequence 1, Appl
35	125	100.0	4680	5	US-10-153-886-1	Sequence 1, Appl
36	125	100.0	4680	5	US-10-263-127-1	Sequence 1, Appl
37	125	100.0	4680	6	US-10-375-777-1	Sequence 1, Appl
38	125	100.0	4680	10	US-11-063-903-1	Sequence 1, Appl
39	125	100.0	4681	7	US-10-696-261-18	Sequence 18, Appl
40	125	100.0	4681	7	US-10-696-282-18	Sequence 18, Appl
41	125	100.0	4681	7	US-10-696-900-18	Sequence 18, Appl
42	125	100.0	4683	7	US-10-696-261-19	Sequence 19, Appl
43	125	100.0	4683	7	US-10-696-282-19	Sequence 19, Appl
44	125	100.0	4683	7	US-10-696-900-19	Sequence 19, Appl
45	125	100.0	4683	7	US-10-427-129-6	Sequence 6, Appl

ALIGNMENTS

RESULT 1
US-09-928-158B-1
; Sequence 1, Application US/09928158B
; Patent No. US2002017722A1
; GENERAL INFORMATION:
; APPLICANT: SIKON, LI
; TITLE OF INVENTION: REPLICATION COMPETENT AAV HELPER FUNCTIONS
; FILE REFERENCE: 102182-18
; CURRENT FILING DATE: 2002-05-06
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1
; LENGTH: 130
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-09-928-158B-1

Query Match 100.0%; Score 125; DB 3; Length 130;
Best Local Similarity 100.0%; Pred. No. 1.7e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	TTGGCCACTCCCTCTGCGCGCTCGCTCACTGAGCGCGGCGCAAGGTGCGCC	60
DB	1	TTGGCCACTCCCTCTGCGCGCTCGCTCACTGAGCGCGGCGCAAGGTGCGCC	60
QY	61	CGAGCGCGCGCTTTGGCGCGCGCTCACTGAGCGAGCGCGCGCAGAGGAGTGTG	120
DB	61	CGAGCGCGCGCTTTGGCGCGCGCTCACTGAGCGAGCGCGCGCAGAGGAGTGTG	120
QY	121	GCCAA 125	
DB	121	GCCAA 125	

RESULT 2
US-10-501-756-13
; Sequence 13, Application US/10501756
; Publication No. US20050112765A1
; GENERAL INFORMATION:
; APPLICANT: Duke University
; APPLICANT: Chuan-Yuan, Li
; APPLICANT: Xiwu, Zhang
; TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A

;; TITLE OF INVENTION: COMPLETE ADENOVIRUS-MEDIATED APPROACH
;; FILE REFERENCE: 180/137
;; CURRENT APPLICATION NUMBER: US/10/501,756
;; CURRENT FILING DATE: 2004-07-16
;; PRIOR APPLICATION NUMBER: US 60/349,532
;; PRIOR FILING DATE: 2002-01-18
;; NUMBER OF SEQ ID NOS: 22
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 13
;; LENGTH: 144
;; TYPE: DNA
;; ORGANISM: adeno-associated virus 2
US-10-501-756-13

Query Match 100.0%; Score 125; DB 9; Length 144;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGGTCCGC 60
DB 20 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGGTCCGC 79
OY 61 CGAGCGCGCGGCTTTGGCGCGCGGCTTCACTAGAGCGAGCGCGCGACGAGAGGAGTGT 120
DB 80 CGAGCGCGCGGCTTTGGCGCGCGGCTTCACTAGAGCGAGCGCGCGACGAGAGGAGTGT 139
OY 121 GCCAA 125
DB 140 GCCAA 144

RESULT 3
US-09-782-378A-6
;; Sequence 6, Application US/09782378A
;; Patent No. US20020102731A1
;; GENERAL INFORMATION:
;; APPLICANT: Hearing, Patrick
;; APPLICANT: Bahou, Madie
;; APPLICANT: Sandelon, Ziv
;; APPLICANT: Gnatenko, Dmitri
;; TITLE OF INVENTION: Adenoviral Vectors
;; FILE REFERENCE: STONY-04970
;; CURRENT APPLICATION NUMBER: US/09/782,378A
;; CURRENT FILING DATE: 2001-02-12
;; PRIOR APPLICATION NUMBER: 60/237,747
;; PRIOR FILING DATE: 2000-10-02
;; NUMBER OF SEQ ID NOS: 27
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 6
;; LENGTH: 145
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-782-378A-6

Query Match 100.0%; Score 125; DB 3; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGGTCCGC 60
OY 61 CGAGCGCGCGGCTTTGGCGCGCGGCTTCACTAGAGCGAGCGCGCGACGAGAGGAGTGT 120
DB 61 CGAGCGCGCGGCTTTGGCGCGCGGCTTCACTAGAGCGAGCGCGCGACGAGAGGAGTGT 120
OY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 4
US-10-240-198-2

;; Sequence 2, Application US/10240198
;; Publication No. US20030100115A1
;; GENERAL INFORMATION:
;; APPLICANT: BTG International Ltd
;; APPLICANT: BEARD DR, PETER
;; APPLICANT: RAD DR, KENNETH
;; TITLE OF INVENTION: CYTOTOXIC AGENTS
;; FILE REFERENCE: 142184WO
;; CURRENT APPLICATION NUMBER: US/10/240,198
;; CURRENT FILING DATE: 2002-09-30
;; PRIOR APPLICATION NUMBER: 0009887.1
;; PRIOR FILING DATE: 2000-04-20
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 2
;; LENGTH: 145
;; TYPE: DNA
;; ORGANISM: adeno-associated virus 2
;; FEATURE:
;; NAME/KEY: misc_structure
;; LOCATION: (1)..(145)
;; OTHER INFORMATION: ITR
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (72)
;; OTHER INFORMATION: Unpaired base
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (94)
;; OTHER INFORMATION: Unpaired base
US-10-240-198-2

Query Match 100.0%; Score 125; DB 5; Length 145;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGGTCCGC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGGCGACCAAGGTCCGC 80
OY 61 CGAGCGCGCGGCTTTGGCGCGCGGCTTCACTAGAGCGAGCGCGCGACGAGAGGAGTGT 120
DB 81 CGAGCGCGCGGCTTTGGCGCGCGGCTTCACTAGAGCGAGCGCGCGACGAGAGGAGTGT 140
OY 121 GCCAA 125
DB 141 GCCAA 145

RESULT 5
US-10-837-029-1
;; Sequence 1, Application US/10837029
;; Publication No. US20040248301A1
;; GENERAL INFORMATION:
;; APPLICANT: Engelhardt, John F.
;; TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH
;; TITLE OF INVENTION: INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES
;; FILE REFERENCE: 875.105U51
;; CURRENT APPLICATION NUMBER: US/10/837,029
;; CURRENT FILING DATE: 2004-04-30
;; PRIOR APPLICATION NUMBER: US 10/194,421
;; PRIOR FILING DATE: 2002-07-12
;; PRIOR APPLICATION NUMBER: US 60/305,204
;; PRIOR FILING DATE: 2001-07-13
;; NUMBER OF SEQ ID NOS: 11
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 1
;; LENGTH: 145
;; TYPE: DNA
;; ORGANISM: Adeno-associated virus
US-10-837-029-1

Query Match 100.0%; Score 125; DB 8; Length 145;

Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
DB 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 6
US-10-837-029-11

Sequence 11, Application US/10837029
Publication No. US20040248301A1

GENERAL INFORMATION:

APPLICANT: Engelhardt, John F.

TITLE OF INVENTION: ADENO ASSOCIATED VIRUS VECTORS WITH

INTRAVECTOR HETEROLOGOUS TERMINAL PALINDROMIC SEQUENCES

FILE REFERENCE: 875.105U81

CURRENT APPLICATION NUMBER: US/10/837,029

PRIOR FILING DATE: 2004-04-30

PRIOR FILING DATE: 2002-07-12

PRIOR APPLICATION NUMBER: US 60/305,204

PRIOR FILING DATE: 2001-07-13

NUMBER OF SEQ ID NOS: 11

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 11

LENGTH: 145

TYPE: DNA

ORGANISM: Adeno-associated virus

US-10-837-029-11

Query Match 100.0%; Score 125; DB 8; Length 145;

Best Local Similarity 100.0%; Pred. No. 1.6e-27;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
DB 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 7
US-10-501-756-12

Sequence 12, Application US/10501756

Publication No. US20050112765A1

GENERAL INFORMATION:

APPLICANT: Duke University

APPLICANT: Chuan-Yuan, Li

APPLICANT: Xiumu, Zhang

TITLE OF INVENTION: GENERATION OF RECOMBINANT ADENO-ASSOCIATED VIRAL VECTORS BY A

COMPLETE ADENOVIRUS-MEDITATED APPROACH

FILE REFERENCE: 180/137

CURRENT APPLICATION NUMBER: US/10/501,756

PRIOR FILING DATE: 2004-07-16

PRIOR APPLICATION NUMBER: US 60/349,532

PRIOR FILING DATE: 2002-01-18

NUMBER OF SEQ ID NOS: 22

SOFTWARE: PatentIn version 3.2

SEQ ID NO 12
LENGTH: 145
TYPE: DNA

ORGANISM: adeno-associated virus 2
US-10-501-756-12

Query Match 100.0%; Score 125; DB 9; Length 145;

Best Local Similarity 100.0%; Pred. No. 1.6e-27;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
DB 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 8
US-10-135-984-8

Sequence 8, Application US/10135984

Publication No. US20020182595A1

GENERAL INFORMATION:

APPLICANT: Matchew D. Wellzman

APPLICANT: Anton J. Cathomen

TITLE OF INVENTION: METHOD OF IDENTIFYING CELLULAR

REGULATORS OF ADENO-ASSOCIATED VIRUS (AAV)

FILE REFERENCE: SALKINS.041A

CURRENT APPLICATION NUMBER: US/10/135,984

PRIOR FILING DATE: 2002-08-05

PRIOR APPLICATION NUMBER: 60/286951

PRIOR FILING DATE: 2001-04-27

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 8

LENGTH: 146

TYPE: DNA

ORGANISM: adeno-associated virus

US-10-135-984-8

Query Match 100.0%; Score 125; DB 5; Length 146;

Best Local Similarity 100.0%; Pred. No. 1.6e-27;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTGCTGCTCACTAGAGCGCGCGCAACAAAGTCCGC 60
QY 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
DB 61 CGAGCGCCGGGCTTTGGCCGGCGGCTCACTAGAGCGCGCGCAACAAAGTCCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 9
US-09-782-378A-8

Sequence 8, Application US/09782378A

Patent No. US20020102731A1

GENERAL INFORMATION:

APPLICANT: Hearing, Patrick

APPLICANT: Bahou, Nadie

APPLICANT: Sandoz, Ziv

APPLICANT: Gatenko, Dmitri

TITLE OF INVENTION: Adenoviral Vectors

FILE REFERENCE: STONTB-04970

;; CURRENT APPLICATION NUMBER: US/09/782,378A
;; CURRENT FILING DATE: 2001-02-12
;; PRIOR APPLICATION NUMBER: 60/237,747
;; PRIOR FILING DATE: 2000-10-02
;; NUMBER OF SEQ ID NOS: 27
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO: 8
;; LENGTH: 165
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-782-378A-8

Query Match 100.0%; Score 125; DB 3; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 60
|||
DB 21 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 80
QY 61 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 120
|||
DB 81 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 140
QY 121 GCCAA 125
|||
DB 141 GCCAA 145

RESULT 10

US-10-054-665-7
;; Sequence 7, Application US/10054665
;; Publication No. US20020197237A1
;; GENERAL INFORMATION:
;; APPLICANT: Engelhardt, John F.
;; APPLICANT: Duan, Dongsheng
;; TITLE OF INVENTION: Adeno-associated virus vectors
;; FILE REFERENCE: 875, 007052
;; CURRENT APPLICATION NUMBER: US/10/054,665
;; CURRENT FILING DATE: 2002-06-13
;; PRIOR APPLICATION NUMBER: US 09/276,625
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: US 60/086,166
;; PRIOR FILING DATE: 1998-05-20
;; NUMBER OF SEQ ID NOS: 13
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 7
;; LENGTH: 165
;; TYPE: DNA
;; ORGANISM: Unknown
;; FEATURE:
;; OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-10-054-665-7

Query Match 100.0%; Score 125; DB 5; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 60
|||
DB 21 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 80
QY 61 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 120
|||
DB 81 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 140
QY 121 GCCAA 125
|||
DB 141 GCCAA 145

RESULT 11
US-10-159-968-13/c

;; Sequence 13, Application US/10159968
;; Publication No. US20030152914A1
;; GENERAL INFORMATION:
;; APPLICANT: Kapilic, Michael G.
;; APPLICANT: Musatov, Serge
;; TITLE OF INVENTION: Method for Generating Replication
;; TITLE OF INVENTION: Defective Viral Vectors that are Helper Free
;; FILE REFERENCE: 600-1-286
;; CURRENT APPLICATION NUMBER: US/10/159,968
;; CURRENT FILING DATE: 2002-05-31
;; PRIOR APPLICATION NUMBER: US 60/294,797
;; PRIOR FILING DATE: 2001-05-31
;; PRIOR APPLICATION NUMBER: US 60/313,007
;; PRIOR FILING DATE: 2001-08-07
;; NUMBER OF SEQ ID NOS: 20
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 13
;; LENGTH: 165
;; TYPE: DNA
;; ORGANISM: Adeno-associated virus
US-10-159-968-13

Query Match 100.0%; Score 125; DB 6; Length 165;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 60
|||
DB 145 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 86
QY 61 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 120
|||
DB 85 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 26
QY 121 GCCAA 125
|||
DB 25 GCCAA 21

RESULT 12

US-10-669-641-3
;; Sequence 3, Application US/10669641
;; Publication No. US20040137626A1
;; GENERAL INFORMATION:
;; APPLICANT: WAGNER, THOMAS E.
;; APPLICANT: YU, XIANKANG
;; TITLE OF INVENTION: AAV ITR-MEDIATED MODULATION
;; FILE REFERENCE: 035679-0165
;; CURRENT APPLICATION NUMBER: US/10/669,641
;; CURRENT FILING DATE: 2003-09-25
;; PRIOR APPLICATION NUMBER: 60/413,450
;; PRIOR FILING DATE: 2002-09-26
;; NUMBER OF SEQ ID NOS: 3
;; SOFTWARE: PatentIn Ver. 3.2
;; SEQ ID NO 3
;; LENGTH: 170
;; TYPE: DNA
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic AAV
;; OTHER INFORMATION: ITR nucleotide sequence
US-10-669-641-3

Query Match 100.0%; Score 125; DB 7; Length 170;
Best Local Similarity 100.0%; Pred. No. 1.6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 60
|||
DB 1 TTGGCCACTCCCTCTGCGGCGCTCGCTCACTAGAGCGCGGCGCAAGGTGCC 60
QY 61 CGAGCGCCGGGCTTTGGCGGCGGCGCTCACTAGAGCGAGCGCGAGAGGAGTG 120
|||

Db 61 CGACGCCGCGCTTTGCCCCGGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

RESULT 13

US-10-276-356-1/c
Sequence 1, Application US/10276356
Publication No. US20040029106a1
GENERAL INFORMATION:
APPLICANT: University of No. US20040029106a1th Carolina at Chapel Hill
APPLICANT: Samuelski, R. Jude
APPLICANT: McCarty, Douglas M.
TITLE OF INVENTION: DUPLEXED PARVOVIRUS VECTORS
FILE REFERENCE: 5470-282
CURRENT APPLICATION NUMBER: US/10/276,356
CURRENT FILING DATE: 2001-05-31
PRIOR APPLICATION NUMBER: PCT/US01/17587
PRIOR FILING DATE: 2001-05-31
NUMBER OF SEQ ID NOS: 1
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 175
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Inverted terminal repeat from the AAV-2 vector plasmid pSub 201
US-10-276-356-1

Query Match 100.0%; Score 125; DB 7; Length 175;

Best Local Similarity 100.0%; Pred. No. 1, 6e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAAAGTCCG 60
Db 150 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAAAGTCCG 91
QY 61 CGACGCCGCGCTTTGCCCCGGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 120
Db 90 CGACGCCGCGCTTTGCCCCGGCGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 31
QY 121 GCCAA 125
Db 30 GCCAA 26

RESULT 14

US-10-023-208-58
Sequence 58, Application US/10023208
Publication No. US20030124537A1
GENERAL INFORMATION:
APPLICANT: Li, Min
APPLICANT: Liu, Yuan-Ching
TITLE OF INVENTION: PROCAROTIC LIBRARIES AND USES
FILE REFERENCE: A-70174-1/RFT/RMS/RMK
CURRENT APPLICATION NUMBER: US/10/023,208
CURRENT FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: US 60/256,163
PRIOR FILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 63
SOFTWARE: PatentIn version 3.1
SEQ ID NO 58
LENGTH: 207
TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: synthetic enzyme attachment site sequence
US-10-023-208-58

Query Match 100.0%; Score 125; DB 6; Length 207;
Best Local Similarity 100.0%; Pred. No. 1, 5e-27;

Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAAAGTCCG 60
Db 42 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAAAGTCCG 101
QY 61 CGACGCCGCGCTTTGCCCCGGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 120
Db 102 CGACGCCGCGCTTTGCCCCGGCGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 161
QY 121 GCCAA 125
Db 162 GCCAA 166

RESULT 15

US-09-845-416-26
Sequence 26, Application US/09845416
Publication No. US20030171312A1
GENERAL INFORMATION:
APPLICANT: XIAO, XIAO
TITLE OF INVENTION: DNA SEQUENCE ENCODING A DYSTROPHY MINIGENE AND USE
FILE REFERENCE: DE1142
CURRENT APPLICATION NUMBER: US/09/845,416
CURRENT FILING DATE: 2001-04-30
PRIOR APPLICATION NUMBER: 60/200,777
PRIOR FILING DATE: 2000-04-28
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 26
LENGTH: 955
TYPE: DNA
ORGANISM: Homo sapiens
US-09-845-416-26

Query Match 100.0%; Score 125; DB 3; Length 955;

Best Local Similarity 100.0%; Pred. No. 1, 1e-27;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAAAGTCCG 60
Db 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTAGAGCGCGCGACCAAAAGTCCG 60
QY 61 CGACGCCGCGCTTTGCCCCGGCGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 120
Db 61 CGACGCCGCGCTTTGCCCCGGCGCGCTCAGTAGCGAGCGCGCAGAGAGGAGTG 120
QY 121 GCCAA 125
Db 121 GCCAA 125

Search completed: March 12, 2006, 20:34:24
Job time : 814 secs

GenCore version 5.1.7
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OM nucleic - nucleic search, using sw model

Run on: March 12, 2006, 20:20:54 ; Search time 543 Seconds
(without alignments)
531.146 Million cell updates/sec

Title: US-10-620-039-1_COPY_1_125

Perfect score: 125
Sequence: 1 TTGGCCACTCCCTCTGCG.....CGCAGAGAGGAGTGCACA 125

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 7673375 seqs, 1153648444 residues

Total number of hits satisfying chosen parameters: 15346750

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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4: /cgn2_6/ptodata/2/pubpna/BCT_NEW_PUB.seq.*
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12: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	125	100.0	145	12	US-11-127-832-6
2	125	100.0	165	12	US-11-058-751-7
3	125	100.0	165	12	US-11-127-832-8
4	125	100.0	464	12	US-11-157-608-9
5	125	100.0	698	12	US-11-157-608-8
6	125	100.0	803	12	US-11-157-608-11
7	125	100.0	1271	12	US-11-157-608-10
8	125	100.0	1271	12	US-11-157-608-10
9	125	100.0	4675	12	US-11-127-832-1
10	125	100.0	4675	12	US-11-127-832-2
11	125	100.0	4675	12	US-11-184-380-25
12	125	100.0	4679	12	US-11-145-035-12
13	125	100.0	4683	12	US-11-145-035-25
14	125	100.0	272	12	US-11-058-751-4
15	123.4	98.7	272	12	US-11-058-751-6
16	118.6	94.9	272	12	US-11-058-751-6
17	110	88.0	4999	8	US-10-632-645-14
18	110	88.0	4999	8	US-10-632-645-14
19	110	88.0	11933	8	US-10-632-645-13
20	110	88.0	11933	8	US-10-632-645-13

21	108.4	86.7	334	12	US-11-058-751-14	Sequence 14, Appl
22	108.4	86.7	334	12	US-11-058-751-14	Sequence 14, Appl
23	108.4	86.7	505	12	US-11-058-751-3	Sequence 3, Appl
24	108.4	86.7	505	12	US-11-058-751-3	Sequence 3, Appl
25	104.2	83.4	272	12	US-11-058-751-6	Sequence 6, Appl
26	99.4	79.5	145	12	US-11-058-751-4	Sequence 4, Appl
27	97.8	78.2	145	12	US-11-127-832-6	Sequence 6, Appl
28	97.8	78.2	165	12	US-11-058-751-7	Sequence 7, Appl
29	97.8	78.2	165	12	US-11-127-832-8	Sequence 8, Appl
30	97.8	78.2	464	12	US-11-157-608-8	Sequence 8, Appl
31	97.8	78.2	698	12	US-11-157-608-9	Sequence 9, Appl
32	97.8	78.2	4675	12	US-11-127-832-1	Sequence 1, Appl
33	97.8	78.2	4675	12	US-11-127-832-2	Sequence 2, Appl
34	97.8	78.2	4679	12	US-11-184-380-25	Sequence 25, Appl
35	97.8	78.2	4679	12	US-11-145-035-12	Sequence 12, Appl
36	97.8	78.2	4683	12	US-11-145-035-25	Sequence 25, Appl
37	96.2	76.2	4722	12	US-11-145-035-21	Sequence 21, Appl
38	95.4	75.5	300	12	US-11-058-751-5	Sequence 5, Appl
39	94.4	73.1	125	8	US-10-719-311-6	Sequence 6, Appl
40	91.4	73.1	4718	12	US-11-145-035-19	Sequence 19, Appl
41	91.4	73.1	4721	12	US-11-145-035-37	Sequence 37, Appl
42	91.4	73.1	4767	12	US-11-145-035-23	Sequence 23, Appl
43	91.4	73.1	4768	8	US-10-719-311-1	Sequence 1, Appl
44	85	68.0	345	12	US-11-058-751-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1
US-11-127-832-6
Sequence 6, Application US/1127832
Publication No. US2006008884A1
GENERAL INFORMATION:
APPLICANT: Heating, Patrick
APPLICANT: Banoou, Wadie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6
LENGTH: 145
TYPE: DNA
ORGANISM: Homo sapiens
US-11-127-832-6
Query Match 100.0%, Score 125, DB 12, Length 145;
Best Local Similarity 100.0%, Pred. No. 2.3e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	TTGGCCACTCCCTCTGCGGCTCGCTCACTGAGGCGCGGCAACCAAGGTGCGC	60
DB	1	TTGGCCACTCCCTCTGCGGCTCGCTCACTGAGGCGCGGCAACCAAGGTGCGC	60
QY	61	CGAGCCCGGCGCTTGGCCGCGGCTCACTGAGGCGCGGCAACCAAGGTGCGC	120
DB	61	CGAGCCCGGCGCTTGGCCGCGGCTCACTGAGGCGCGGCAACCAAGGTGCGC	120
QY	121	GGCNA 125	
DB	121	GGCNA 125	

RESULT 2

US-11-058-751-7
Sequence 7, Application US/11058751
Publication No. US20050255087A1
GENERAL INFORMATION:
APPLICANT: Engelhardt, John F.
APPLICANT: Duan, Dongshen
APPLICANT: University of Iowa Research Foundation
TITLE OF INVENTION: Adeno-associated virus vectors
FILE REFERENCE: 875.007US2
CURRENT APPLICATION NUMBER: US/11/058,751
CURRENT FILING DATE: 2005-02-15
PRIOR APPLICATION NUMBER: CURRENT APPLICATION NUMBER: US/10/054,665
PRIOR FILING DATE: 2002-01-22
PRIOR APPLICATION NUMBER: US 60/086,166
PRIOR FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 09/276,625
PRIOR FILING DATE: 1999-03-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7
LENGTH: 165
TYPE: DNA
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: SEQ ID NO:1 of U.S. Patent No. 5,478,745
US-11-058-751-7

Query Match 100.0%; Score 125; DB 12; Length 165;
Best Local Similarity 100.0%; Pred. No. 2,3e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 80
QY 61 CGACGCCCGGGCTTTGCGCGCGCGCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 120
DB 81 CGACGCCCGGGCTTTGCGCGCGCGCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 140
QY 121 GCCAA 125
DB 141 GCCAA 145

RESULT 3
US-11-127-832-8
Sequence 8, Application US/11127832
Publication No. US20060008884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Gnatenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONY-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 8
LENGTH: 165
TYPE: DNA
ORGANISM: Homo sapiens
US-11-127-832-8

Query Match 100.0%; Score 125; DB 12; Length 165;
Best Local Similarity 100.0%; Pred. No. 2,3e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 60
DB 21 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 80
QY 61 CGACGCCCGGGCTTTGCGCGCGCGCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 120
DB 81 CGACGCCCGGGCTTTGCGCGCGCGCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 140
QY 121 GCCAA 125
DB 141 GCCAA 145

RESULT 4
US-11-157-608-9
Sequence 9, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134.02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 464
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-9

Query Match 100.0%; Score 125; DB 12; Length 464;
Best Local Similarity 100.0%; Pred. No. 2e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGCGCTCGCTCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 60
QY 61 CGACGCCCGGGCTTTGCGCGCGCGCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 120
DB 61 CGACGCCCGGGCTTTGCGCGCGCGCGCTCACTGAGCGCGCGCAACAAAGGTGCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 5
US-11-157-608-8
Sequence 8, Application US/11157608
Publication No. US20060018882A1
GENERAL INFORMATION:
APPLICANT: KAEMMERER, William F.
TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS
FILE REFERENCE: 134.02160101
CURRENT APPLICATION NUMBER: US/11/157,608
CURRENT FILING DATE: 2005-06-21
PRIOR APPLICATION NUMBER: 60/581,730
PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 8
LENGTH: 698
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-8

Query Match 100.0%; Score 125; DB 12; Length 698;
Best Local Similarity 100.0%; Pred. No. 1.9e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
QY 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
DB 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 6

US-11-157-608-11
Sequence 11, Application US/11157608
Publication No. US20060018882A1

GENERAL INFORMATION:

APPLICANT: KAEMMERER, William F.

TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS

FILE REFERENCE: 134.02160101

CURRENT APPLICATION NUMBER: US/11/157,608

PRIOR FILING DATE: 2005-06-21

PRIOR APPLICATION NUMBER: 60/581,730

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn version 3.2

SEQ ID NO 11

LENGTH: 803

TYPE: DNA

ORGANISM: Artificial

FEATURE:
OTHER INFORMATION: Artificial AAV vector

US-11-157-608-11

Query Match 100.0%; Score 125; DB 12; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.9e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
QY 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
DB 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 7

US-11-157-608-11/c
Sequence 11, Application US/11157608
Publication No. US20060018882A1

GENERAL INFORMATION:

APPLICANT: KAEMMERER, William F.

TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS

FILE REFERENCE: 134.02160101

CURRENT APPLICATION NUMBER: US/11/157,608

PRIOR FILING DATE: 2005-06-21

PRIOR APPLICATION NUMBER: 60/581,730

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn version 3.2

SEQ ID NO 11

LENGTH: 803

TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-11

Query Match 100.0%; Score 125; DB 12; Length 803;
Best Local Similarity 100.0%; Pred. No. 1.9e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
DB 803 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 744
QY 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
DB 743 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 684
QY 121 GCCAA 125
DB 683 GCCAA 679

RESULT 8

US-11-157-608-10
Sequence 10, Application US/11157608
Publication No. US20060018882A1

GENERAL INFORMATION:

APPLICANT: KAEMMERER, William F.

TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS

FILE REFERENCE: 134.02160101

CURRENT APPLICATION NUMBER: US/11/157,608

PRIOR FILING DATE: 2005-06-21

PRIOR APPLICATION NUMBER: 60/581,730

NUMBER OF SEQ ID NOS: 24

SOFTWARE: PatentIn version 3.2

SEQ ID NO 10

LENGTH: 1271

TYPE: DNA

ORGANISM: Artificial

FEATURE:
OTHER INFORMATION: Artificial AAV vector

US-11-157-608-10

Query Match 100.0%; Score 125; DB 12; Length 1271;
Best Local Similarity 100.0%; Pred. No. 1.8e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCTGCTGCTCACTAGAGCGGCGGACCAAGGTGCGC 60
QY 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
DB 61 CGAGCGCGGGGCTTTGCGGCGGCGGCTCACTAGAGCGGCGGACCAAGGTGCGC 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 9

US-11-157-608-10/c
Sequence 10, Application US/11157608
Publication No. US20060018882A1

GENERAL INFORMATION:

APPLICANT: KAEMMERER, William F.

TITLE OF INVENTION: MEDICAL DEVICES AND METHODS FOR DELIVERING COMPOSITIONS TO CELLS

FILE REFERENCE: 134.02160101

CURRENT APPLICATION NUMBER: US/11/157,608

PRIOR FILING DATE: 2005-06-21

PRIOR APPLICATION NUMBER: 60/581,730

PRIOR FILING DATE: 2004-06-21
NUMBER OF SEQ ID NOS: 24
SOFTWARE: PatentIn version 3.2
SEQ ID NO 10
LENGTH: 1271
TYPE: DNA
ORGANISM: Artificial
FEATURE:
OTHER INFORMATION: Artificial AAV vector
US-11-157-608-10

Query Match 100.0%; Score 125; DB 12; Length 1271;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60
1271 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 1212

61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
1211 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 1152

QY 121 GCCAA 125
DB 1151 GCCAA 1147

RESULT 10
US-11-127-832-1
Sequence 1, Application US/11127832
Publication No. US2006008884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Gatlenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 4675
TYPE: DNA
ORGANISM: Human adeno-associated virus 2
US-11-127-832-1

Query Match 100.0%; Score 125; DB 12; Length 4675;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60
1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60

61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 11
US-11-127-832-2
Sequence 2, Application US/11127832

Publication No. US2006008884A1
GENERAL INFORMATION:
APPLICANT: Hearing, Patrick
APPLICANT: Bahou, Madie
APPLICANT: Sandalon, Ziv
APPLICANT: Gatlenko, Dmitri
TITLE OF INVENTION: Adenoviral Vectors
FILE REFERENCE: STONYB-04970
CURRENT APPLICATION NUMBER: US/11/127,832
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US/09/782,378
PRIOR FILING DATE: 2001-02-12
PRIOR APPLICATION NUMBER: 60/237,747
PRIOR FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 4675
TYPE: DNA
ORGANISM: Human adeno-associated virus 2
US-11-127-832-2

Query Match 100.0%; Score 125; DB 12; Length 4675;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60
1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60

61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120
61 CGACGCCCGGGCTTTGCCCGGCGGCTCACTGAGCGAGCGCGCAGAGAGGAGTG 120

QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 12
US-11-184-380-25
Sequence 25, Application US/11184380
Publication No. US20050255089A1
GENERAL INFORMATION:
APPLICANT: Chiorini, John
APPLICANT: Kotin, Robert M.
TITLE OF INVENTION: AAV5 NUCLEIC ACIDS
FILE REFERENCE: 14014.032303
CURRENT APPLICATION NUMBER: US/11/184,380
CURRENT FILING DATE: 2005-07-19
PRIOR APPLICATION NUMBER: PCT/US99/11958
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/087,029
PRIOR FILING DATE: 1998-05-28
NUMBER OF SEQ ID NOS: 26
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 25
LENGTH: 4679
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence; Note =
US-11-184-380-25

Query Match 100.0%; Score 125; DB 12; Length 4679;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60
1 TTGGCCACTCCCTCTGCGGCGCTGCTCGCTCACTGAGCGCGGCGCAAGAGTGGCC 60

QY 121 GCCAA 125
DB 121 GCCAA 125

QY 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
DB 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 13

US-11-145-035-12
; Sequence 12, Application US/11145035
; Publication No. US20050287122A1
; GENERAL INFORMATION:
; APPLICANT: Bartlett et al.
; TITLE OF INVENTION: AAV VECTORS AND METHODS
; FILE REFERENCE: 28335/41335 US/11/145,035
; CURRENT FILING DATE: 2005-06-03
; PRIOR APPLICATION NUMBER: US 10/038,972
; PRIOR FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: US 60/260,124
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 12
; LENGTH: 4679
; TYPE: DNA
; ORGANISM: adeno-associated virus 2
US-11-145-035-12

Query Match 100.0%; Score 125; DB 12; Length 4679;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCCGCGGCGAACCAAGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCCGCGGCGAACCAAGTCGCC 60
QY 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
DB 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 14

US-11-145-035-25
; Sequence 25, Application US/11145035.
; Publication No. US20050287122A1
; GENERAL INFORMATION:
; APPLICANT: Bartlett et al.
; TITLE OF INVENTION: AAV VECTORS AND METHODS
; FILE REFERENCE: 28335/41335
; CURRENT FILING DATE: 2005-06-03
; PRIOR APPLICATION NUMBER: US 10/038,972
; PRIOR FILING DATE: 2002-01-04
; PRIOR APPLICATION NUMBER: US 60/260,124
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 25
; LENGTH: 4683
; TYPE: DNA
; ORGANISM: Adeno-associated virus 6
US-11-145-035-25

Query Match 100.0%; Score 125; DB 12; Length 4683;
Best Local Similarity 100.0%; Pred. No. 1.6e-25;
Matches 125; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCCGCGGCGAACCAAGTCGCC 60
DB 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCCGCGGCGAACCAAGTCGCC 60
QY 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
DB 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
QY 121 GCCAA 125
DB 121 GCCAA 125

RESULT 15

US-11-058-751-4
; Sequence 4, Application US/11058751
; Publication No. US20050255087A1
; GENERAL INFORMATION:
; APPLICANT: Engelhardt, John F.
; APPLICANT: Duan, Dongshen
; TITLE OF INVENTION: Adeno-associated virus vectors
; FILE REFERENCE: 875.007U82
; CURRENT FILING DATE: US/11/058,751
; CURRENT FILING DATE: 2005-02-15
; PRIOR APPLICATION NUMBER: CURRENT APPLICATION NUMBER: US/10/054,665
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: US 60/086,166
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: US 09/276,625
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 272
; TYPE: DNA
; ORGANISM: AAV circular intermediate, clone p81
US-11-058-751-4

Query Match 98.7%; Score 123.4; DB 12; Length 272;
Best Local Similarity 99.2%; Pred. No. 5.9e-25;
Matches 124; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCCGCGGCGAACCAAGTCGCC 60
DB 69 TTGGCCACTCCCTCTCTGCGGCGCTGCTGCTCACTAGAGCCGCGGCGAACCAAGTCGCC 128
QY 61 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 120
DB 129 CGACGCCCCGGGCTTTGCCCCGGGCGCTCTAGTAGAGGAGCCGCGCAGAGGGGAGTG 188
QY 121 GCCAA 125
DB 189 GCCAA 193

Search completed: March 12, 2006, 20:43:39
Job time : 544 secs